

[illegible][illegible]

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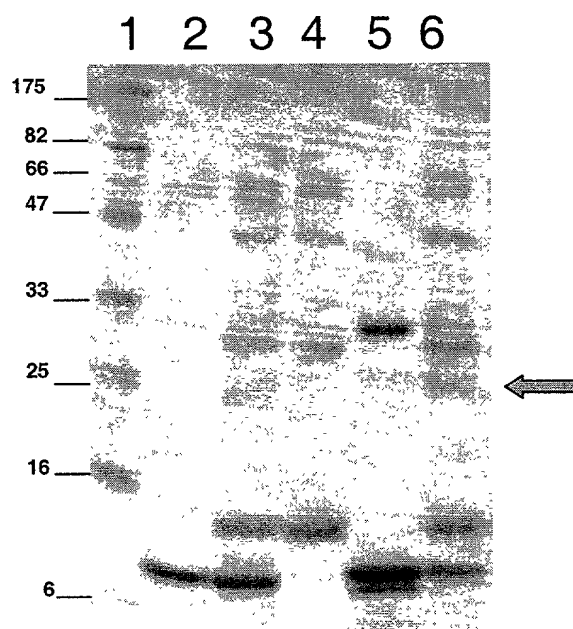
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     M K N L S F P L L F L F F L  
 52 GTC CCT GAA CTG CTG GGC TCC AGC ATG CCA CTG TGT CCC ATC GAT GAA GCC  
     V P E L L G S S M P L C P I D E A  
 103 ATC GAC AAG AAG ATC AAA CAA GAC TTC AAC TCC CTG TTT CCA AAT GCA ATA  
     I D K K I K Q D F N S L F P N A I  
 154 AAG AAC ATT GGC TTA AAT TGC TGG ACA GTC TCC TCC AGA GGG AAG TTG GCC  
     K N I G L N C W T V S S R G K L A  
 205 TCC TGC CCA GAA GGC ACA GCA GTC TTG AGC TGC TCC TGT GGC TCT GCC TGT  
     S C P E G T A V L S C S C G S A C  
 256 GGC TCG TGG GAC ATT CGT GAA GAA AAA GTG TGT CAC TGC CAG TGT GCA AGG  
     G S W D I R E E K V C H C Q C A R  
 307 ATA GAC TGG ACA GCA GCC CGC TGC TGT AAG CTG CAG GTC GCT TCC TCT CTA  
     I D W T A A R C C K L Q V A S S L  
 358 GCG GGA GGG GGT GGA TGT GGG ATC GAA GGT CGC AAG CTT ACT  
     A G G G G C G I E G R K L T

FIG. 2A

1 GGA TCC GGG ATG AAG AAC CTT TCA TTT CCC CTC CTT TTC CTT TTC CTT  
     M K N L S F P L L F L F F L  
 52 GTC CCT GAA CTG CTG GGC TCC AGC ATG CCA CTG TGT CCC ATC GAT GAA GCC  
     V P E L L G S S M P L C P I D E A  
 103 ATC GAC AAG AAG ATC AAA CAA GAC TTC AAC TCC CTG TTT CCA AAT GCA ATA  
     I D K K I K Q D F N S L F P N A I  
 154 AAG AAC ATT GGC TTA AAT TGC TGG ACA GTC TCC TCC AGA GGG AAG TTG GCC  
     K N I G L N C W T V S S R G K L A  
 205 TCC TGC CCA GAA GGC ACA GCA GTC TTG AGC TGC TCC TGT GGC TCT GCC TGT  
     S C P E G T A V L S C S C G S A C  
 256 GGC TCG TGG GAC ATT CGT GAA GAA AAA GTG TGT CAC TGC CAG TGT GCA AGG  
     G S W D I R E E K V C H C Q C A R  
 307 ATA GAC TGG ACA GCA GCC CGC TGC TGT AAG CTG CAG GTC GCT TCC TCT CTA  
     I D W T A A R C C K L Q V A S S L  
 358 GCG GGA GGG GGT GGA TGT GGG GAC GAT GAC GAC AAG CTT ACT  
     A G G G G C G D D D D K L T

FIG. 2B

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**FIG. 2C**

A

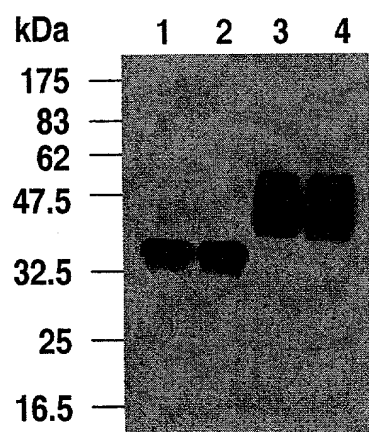


FIG. 3A

B

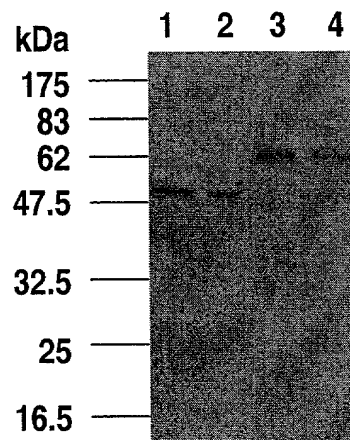
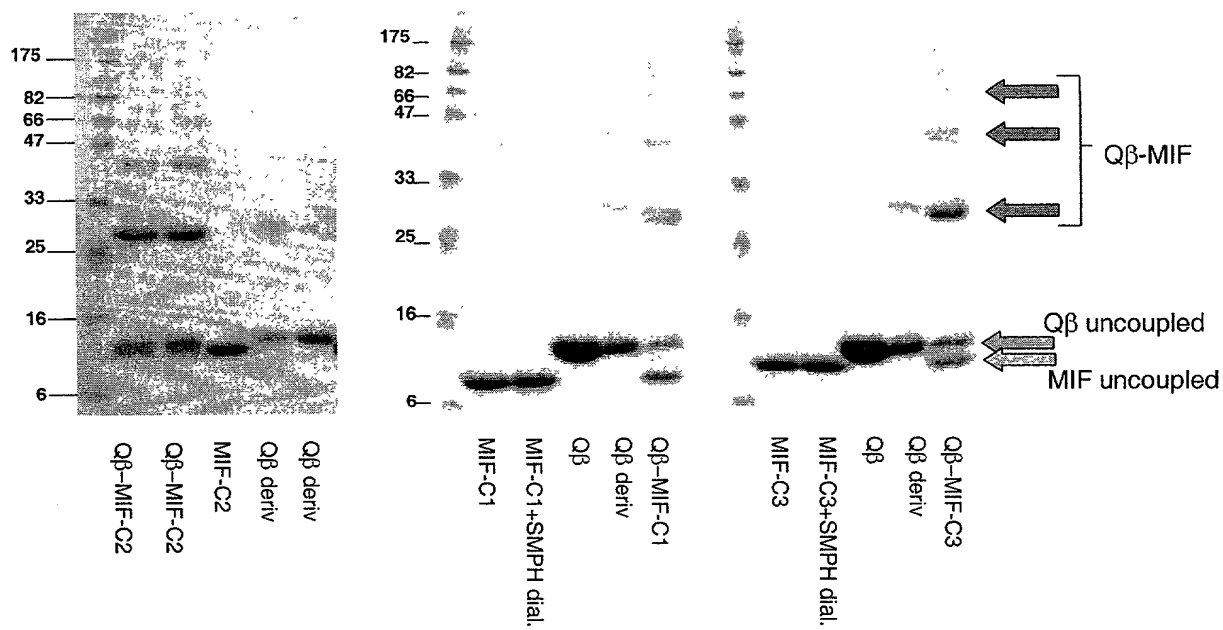
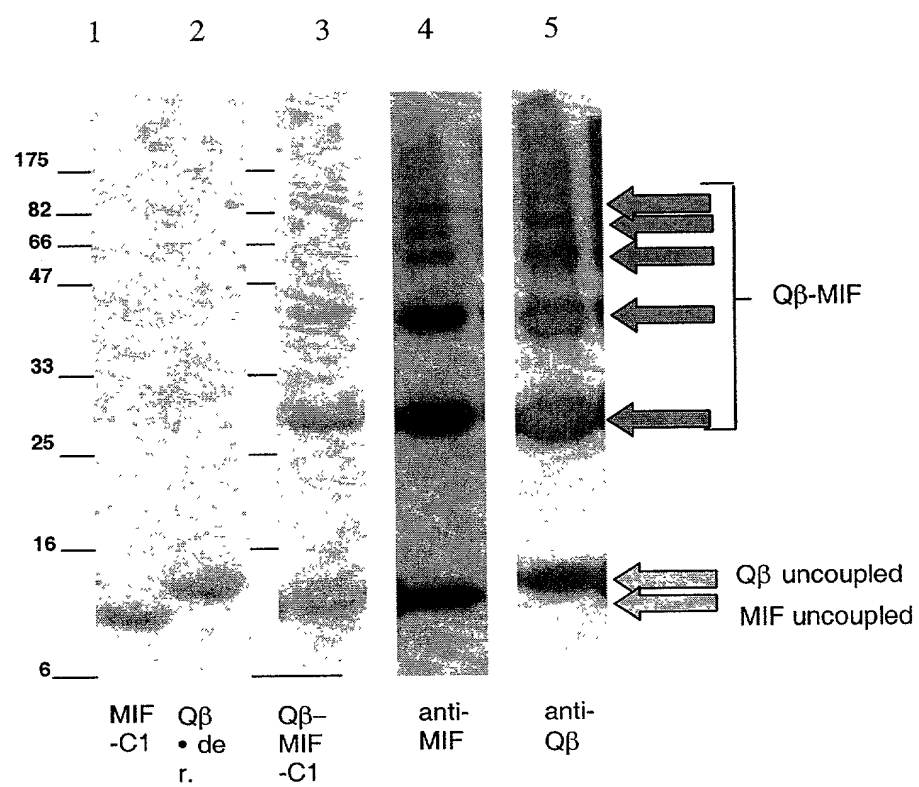


FIG. 3B

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**FIG. 4A**



**FIG. 4B**

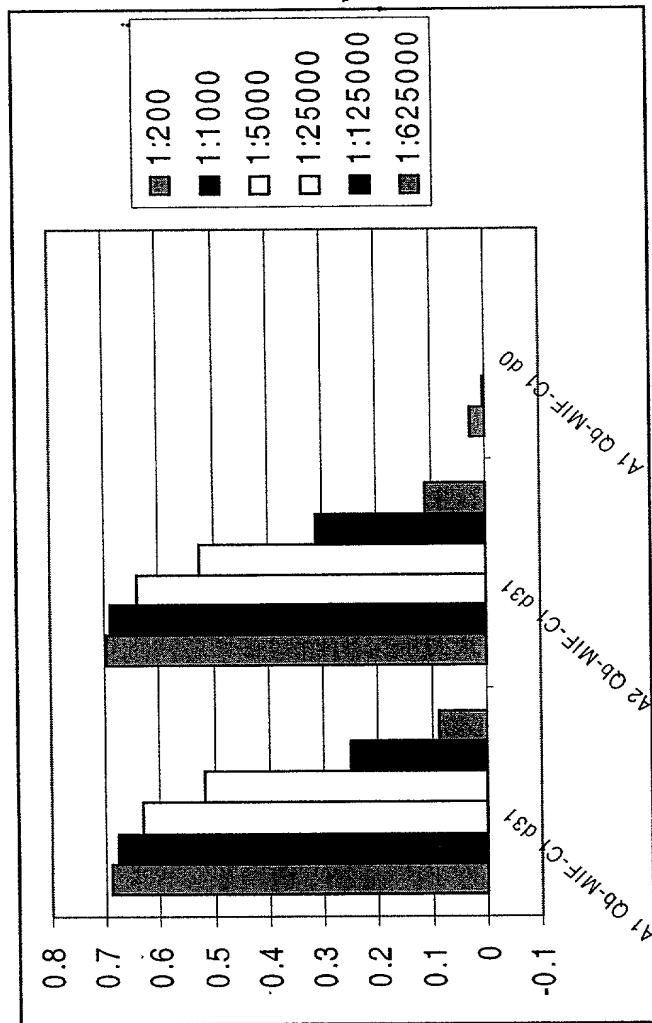
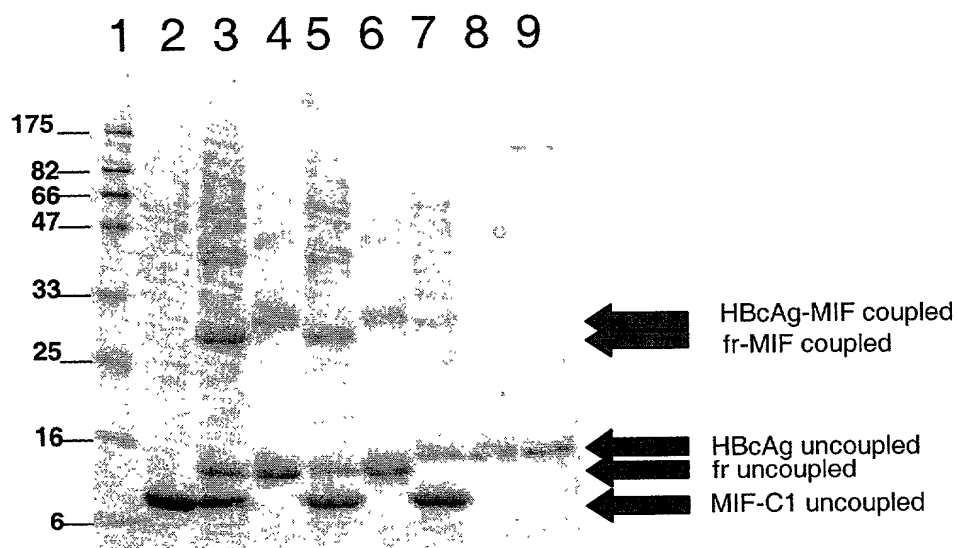
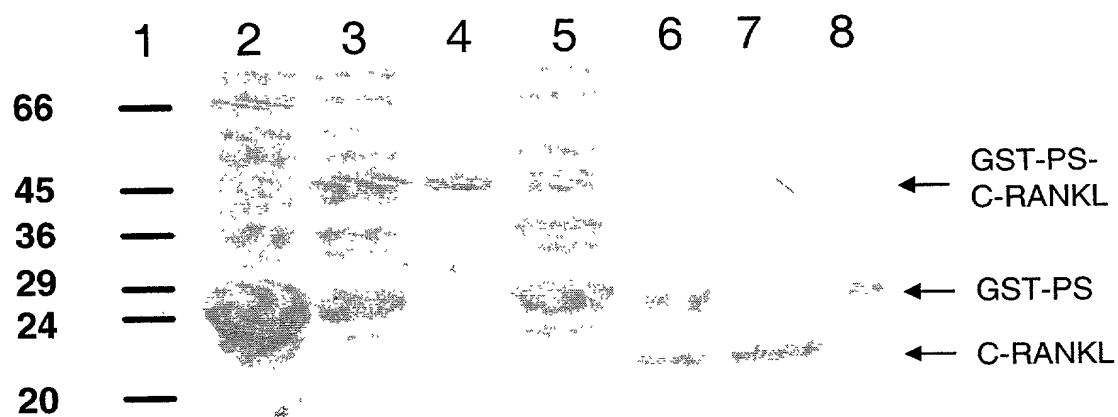


FIG. 4C

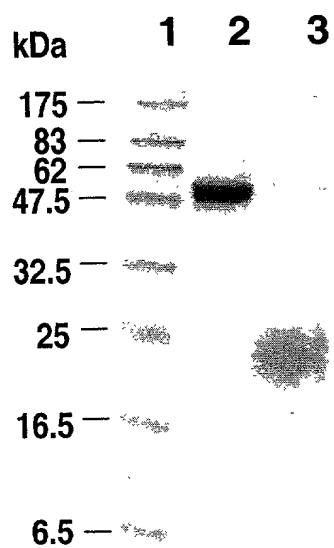




**FIG. 5**

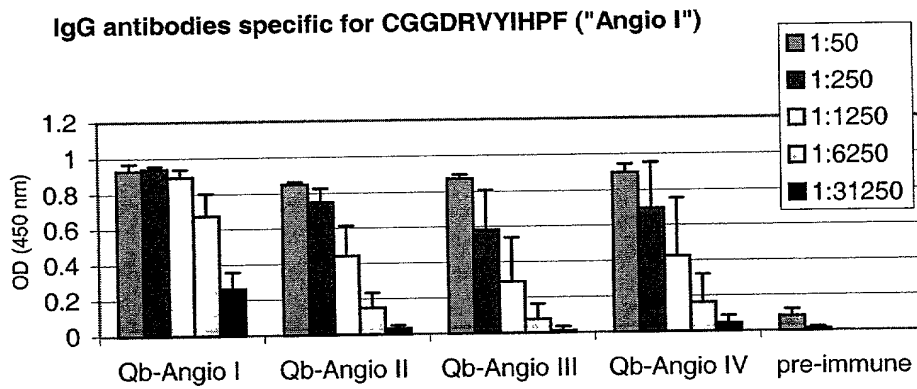


**FIG. 6**

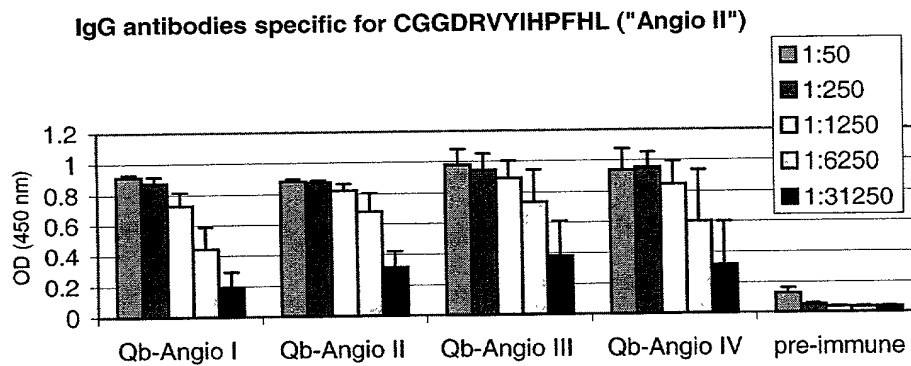


**Fig 7**

**FIG. 8A**



**FIG. 8B**



**FIG. 8C**

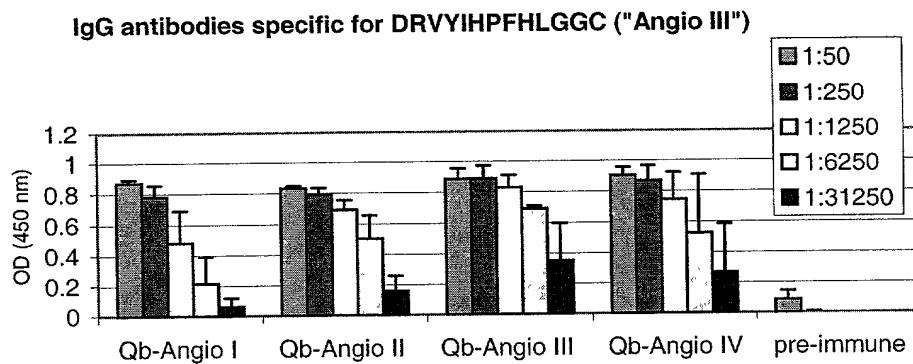
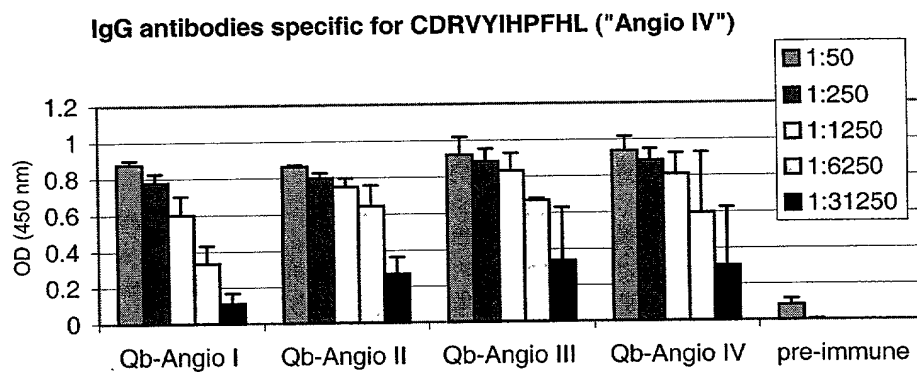
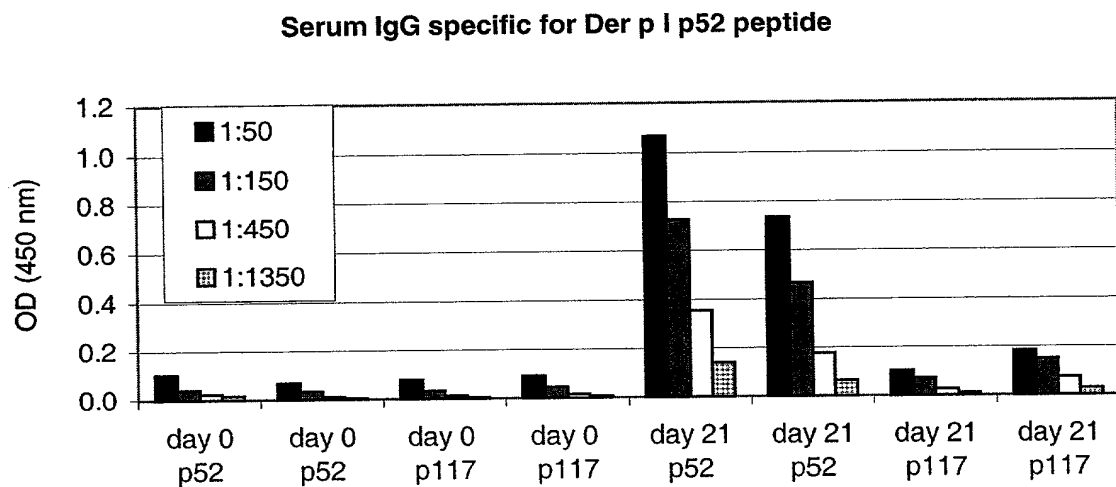


FIG. 8D



**FIG. 9A**



**FIG. 9B**

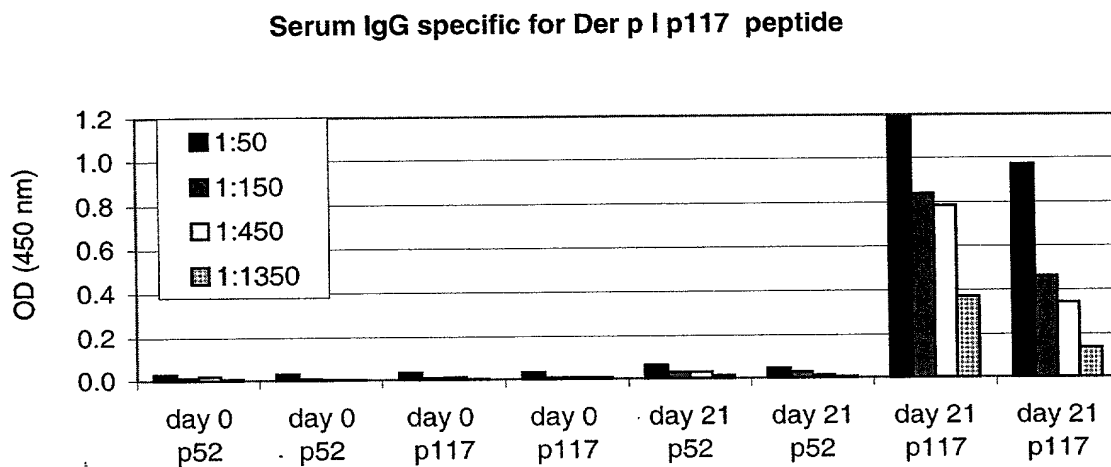


FIG. 10A

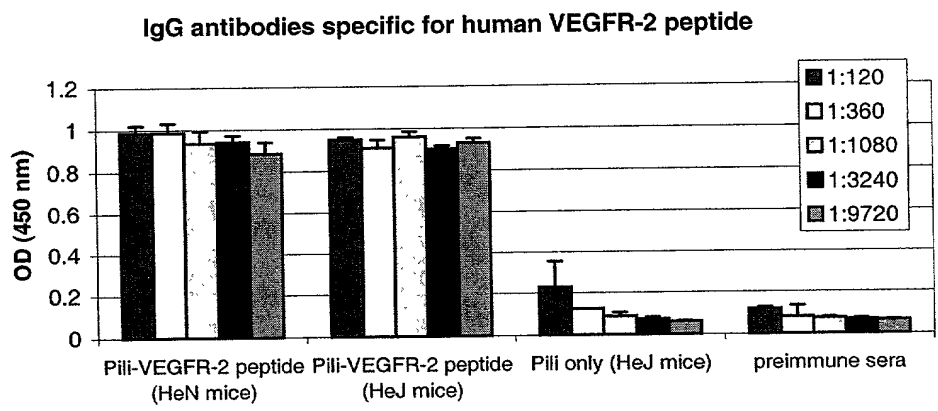


FIG. 10B

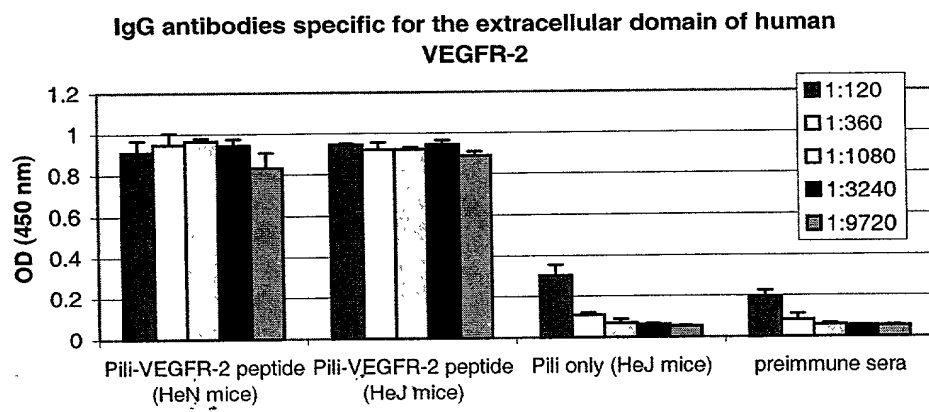


FIG. 11

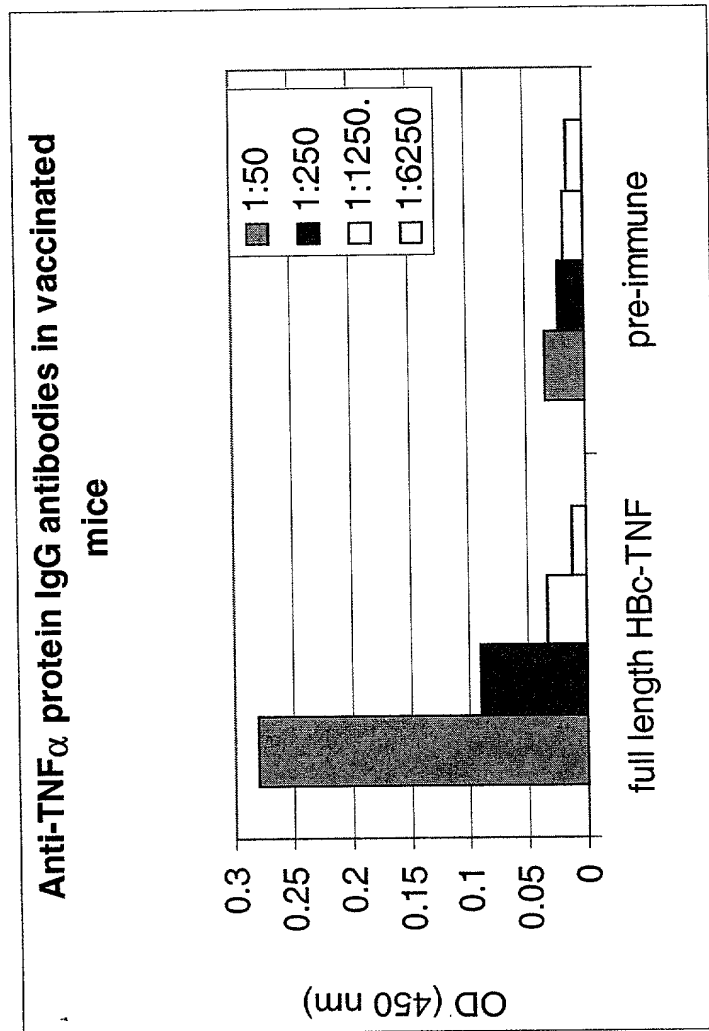
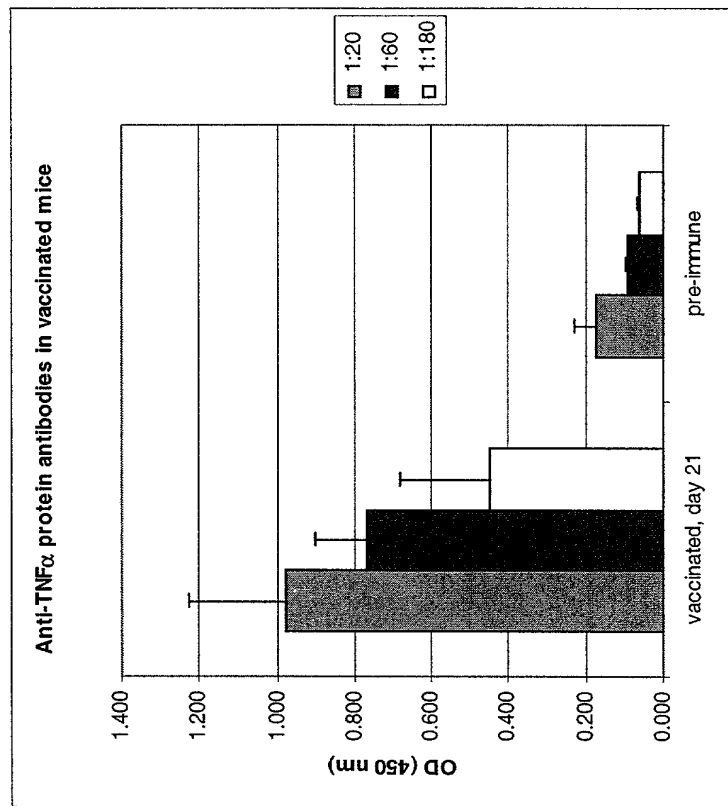
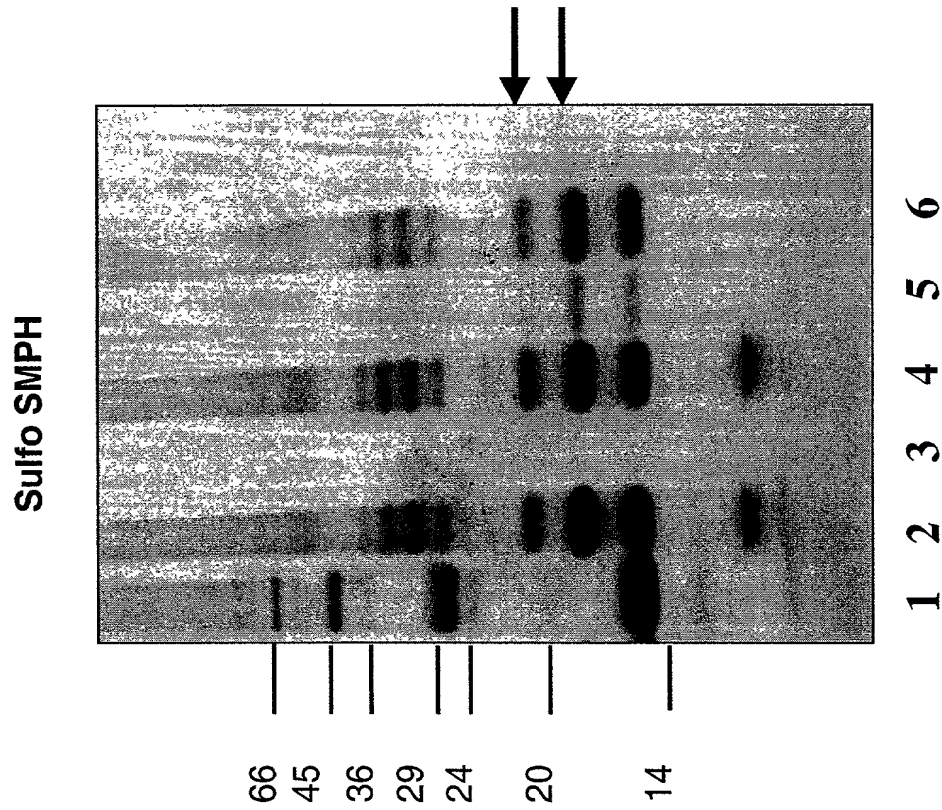




FIG. 12

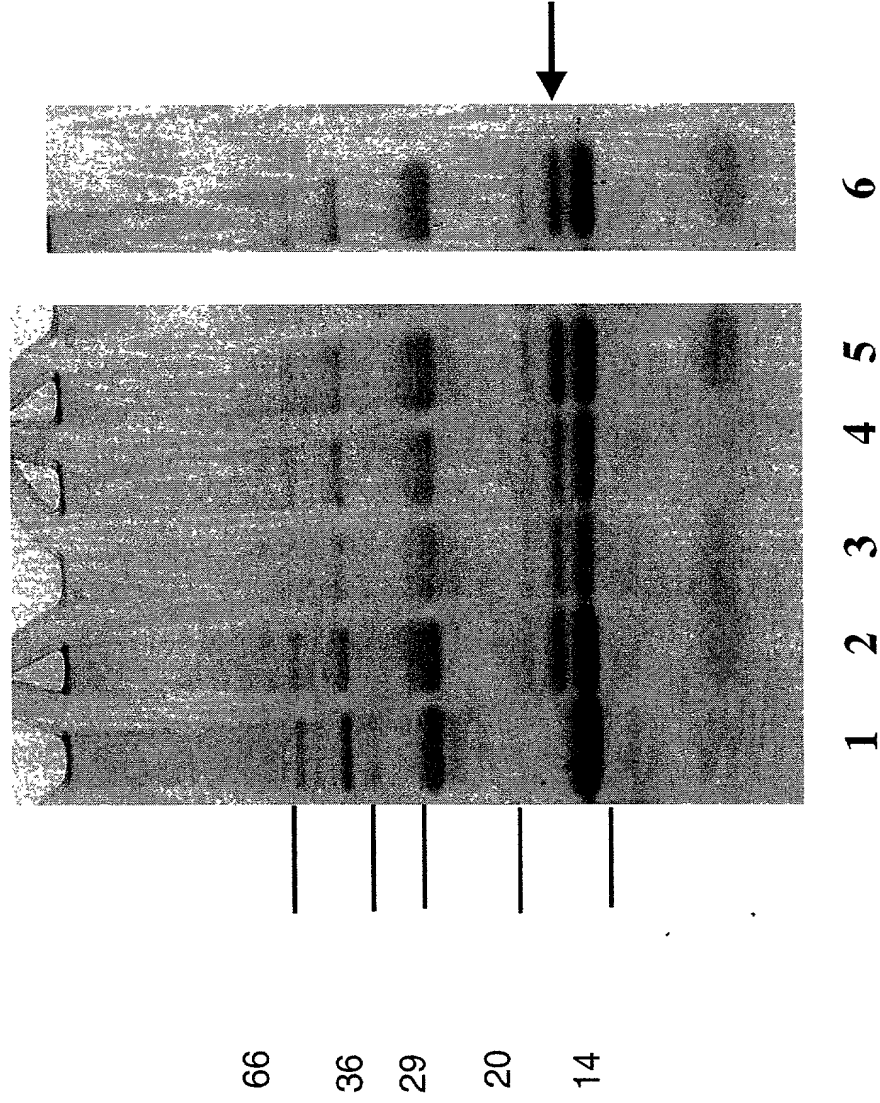


**FIG. 13A**



**FIG. 13B**

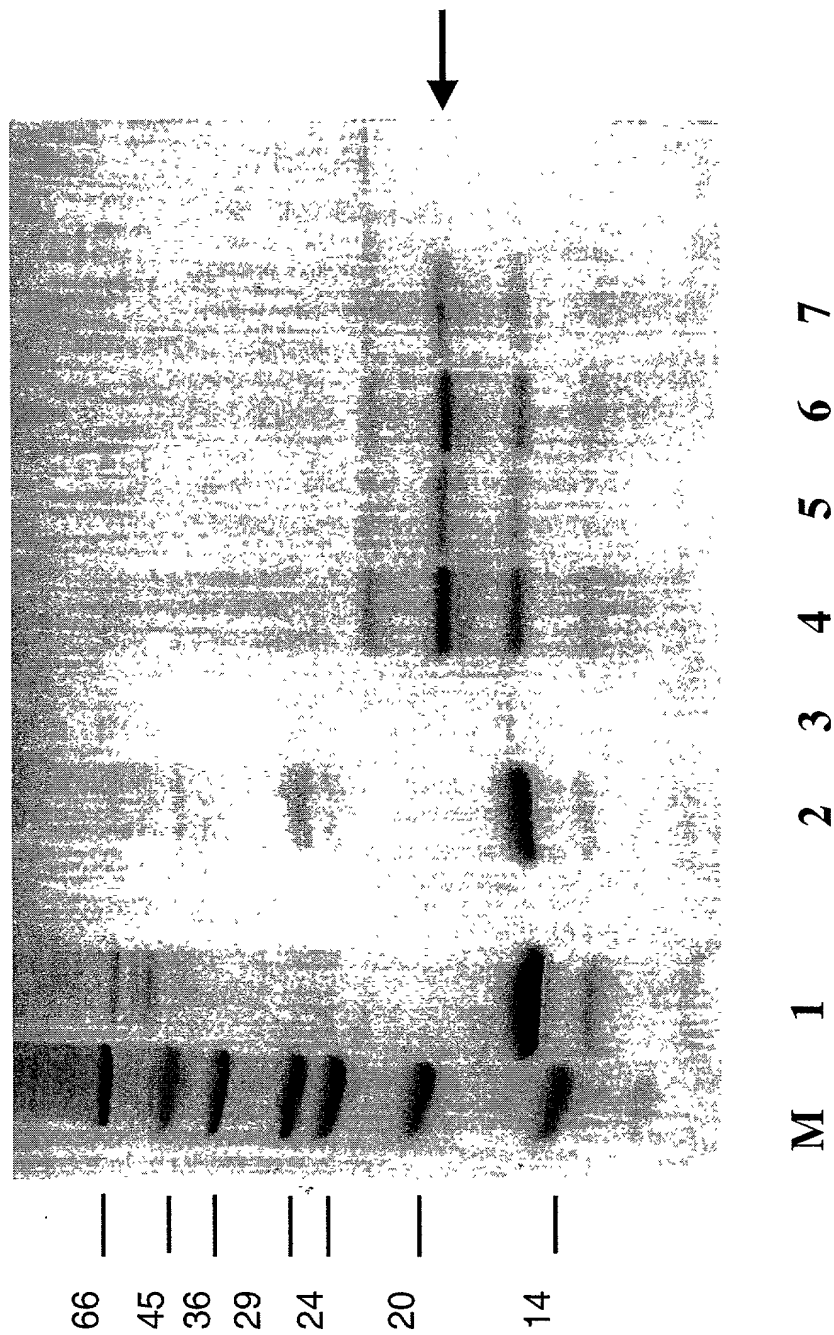
Sulfo SMPH



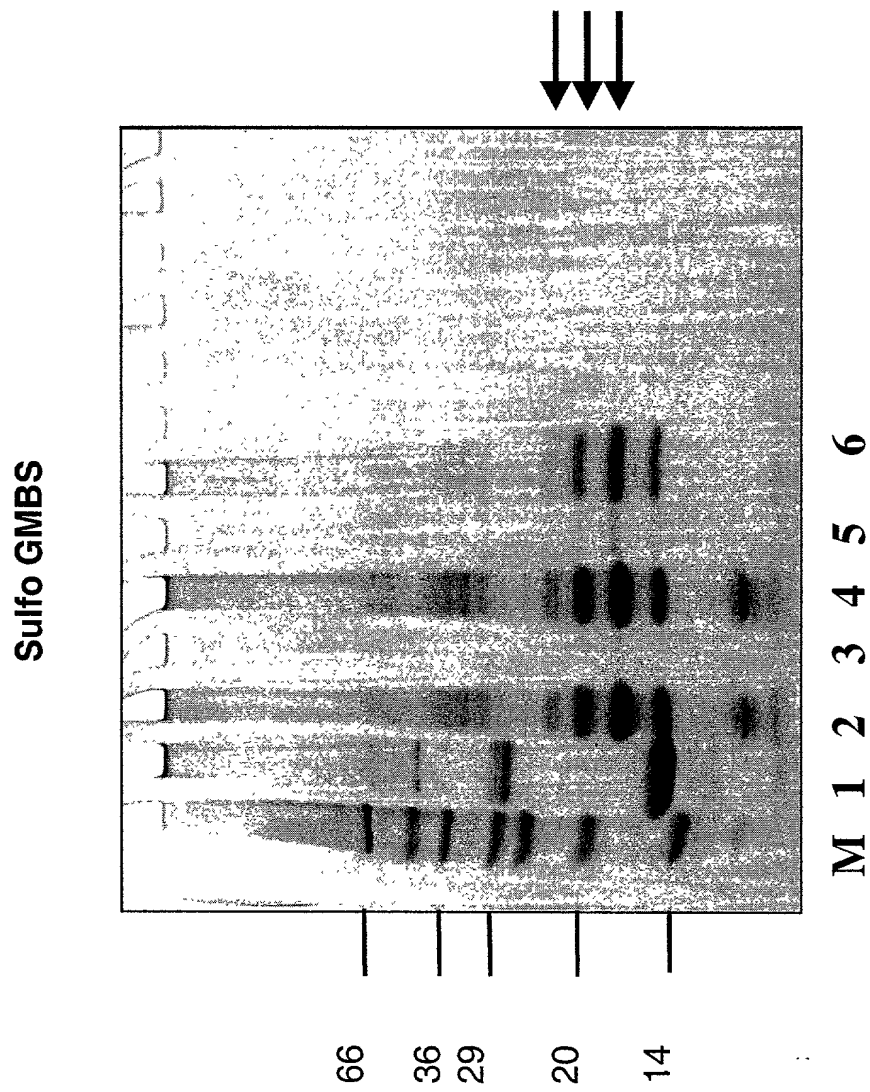
208TFO" 8680500T

**FIG. 13C**

**Sulfo SMPH**



**FIG. 13D**



**FIG. 13E**

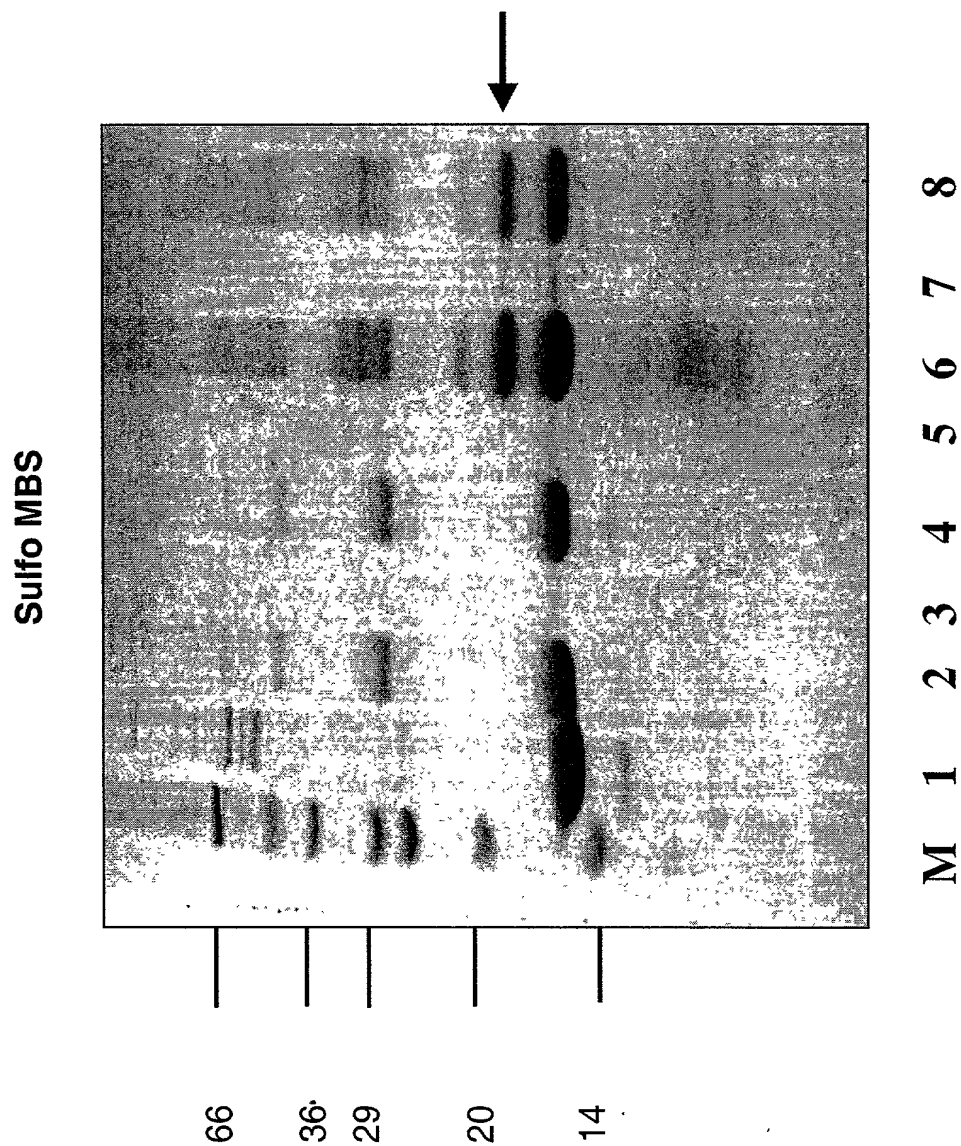


FIG. 14A

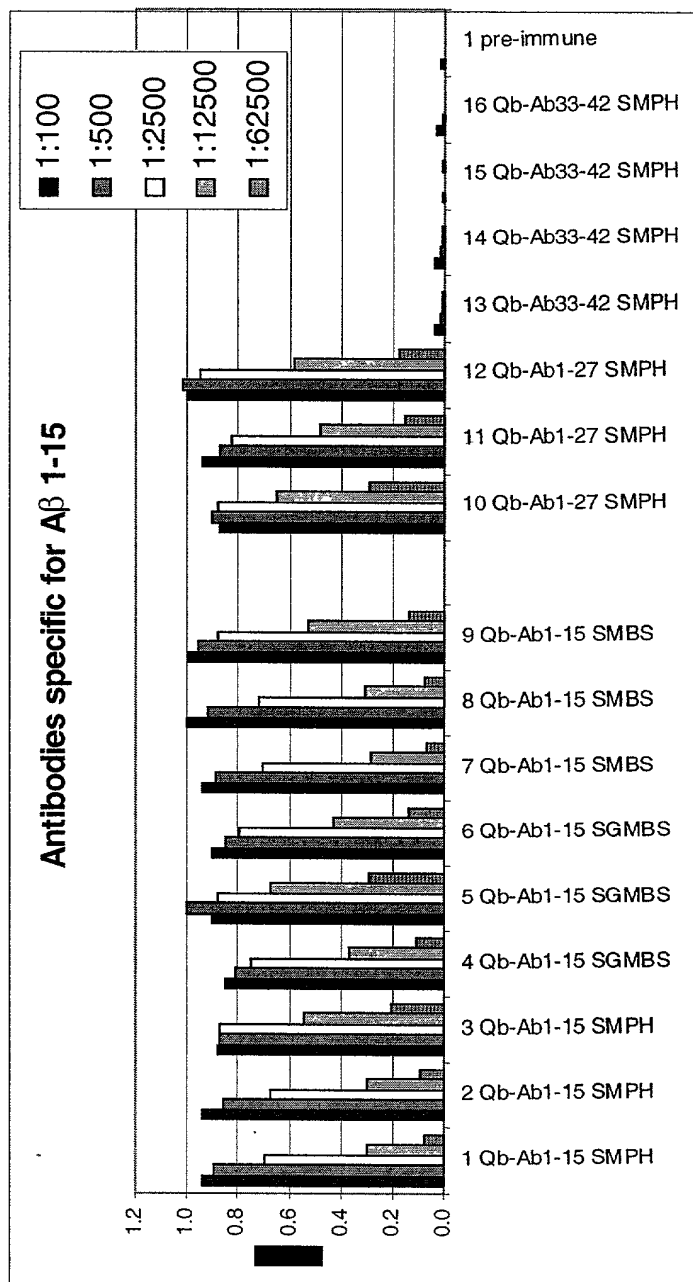


FIG. 14B

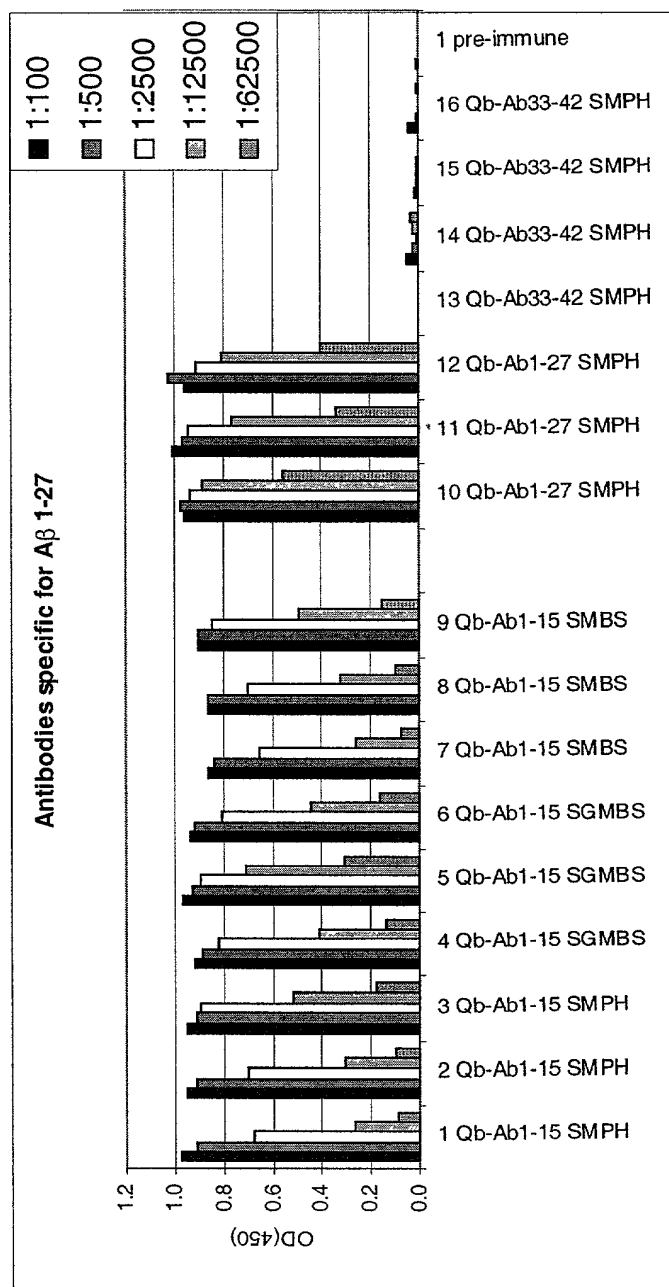




FIG. 14C

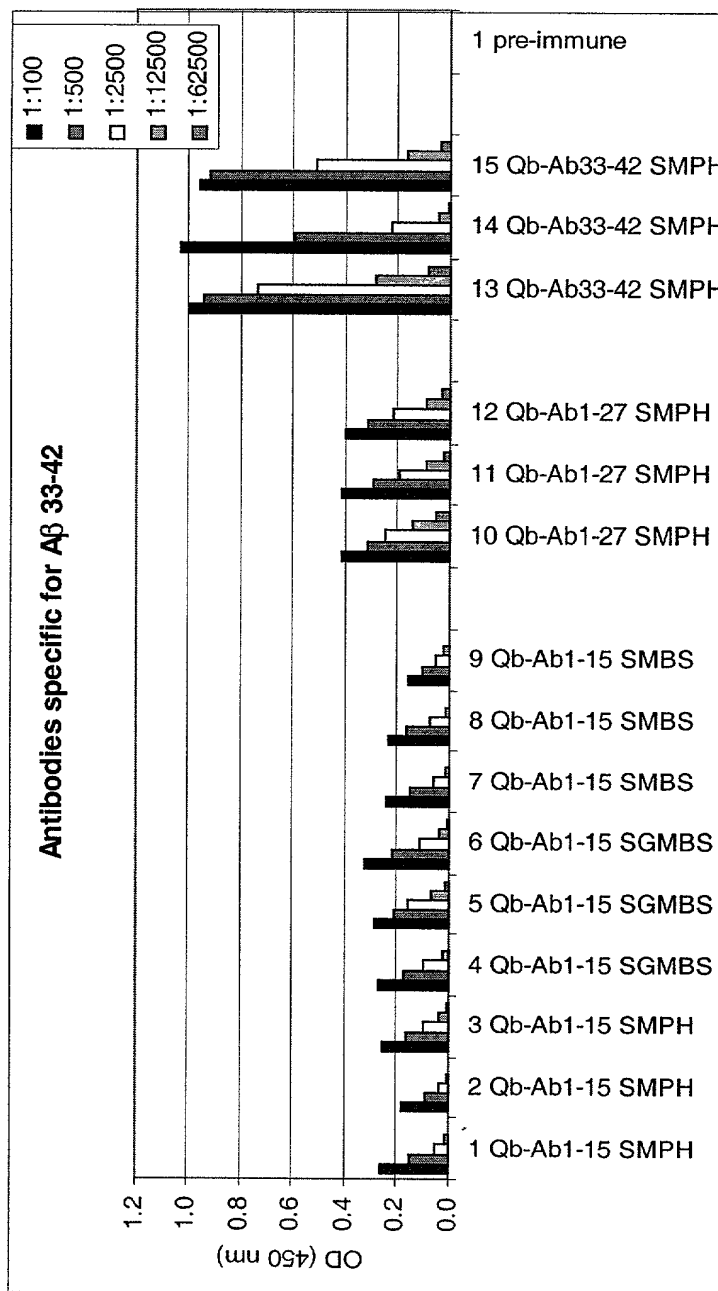


FIG. 15A

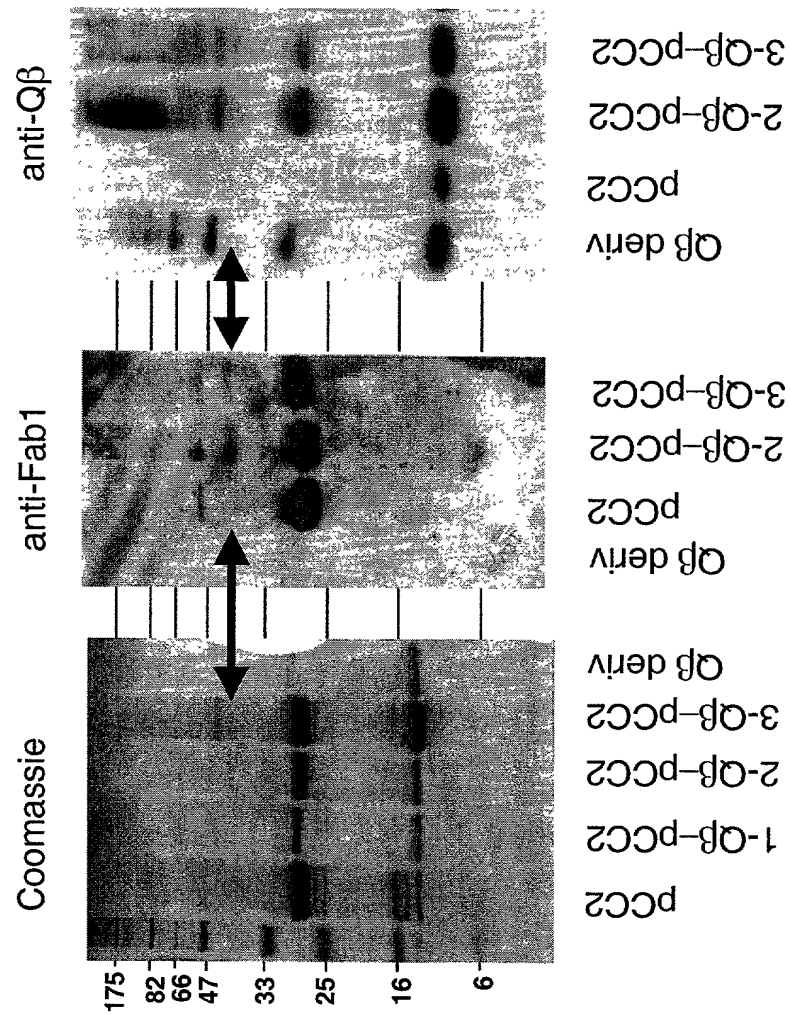


FIG. 15B

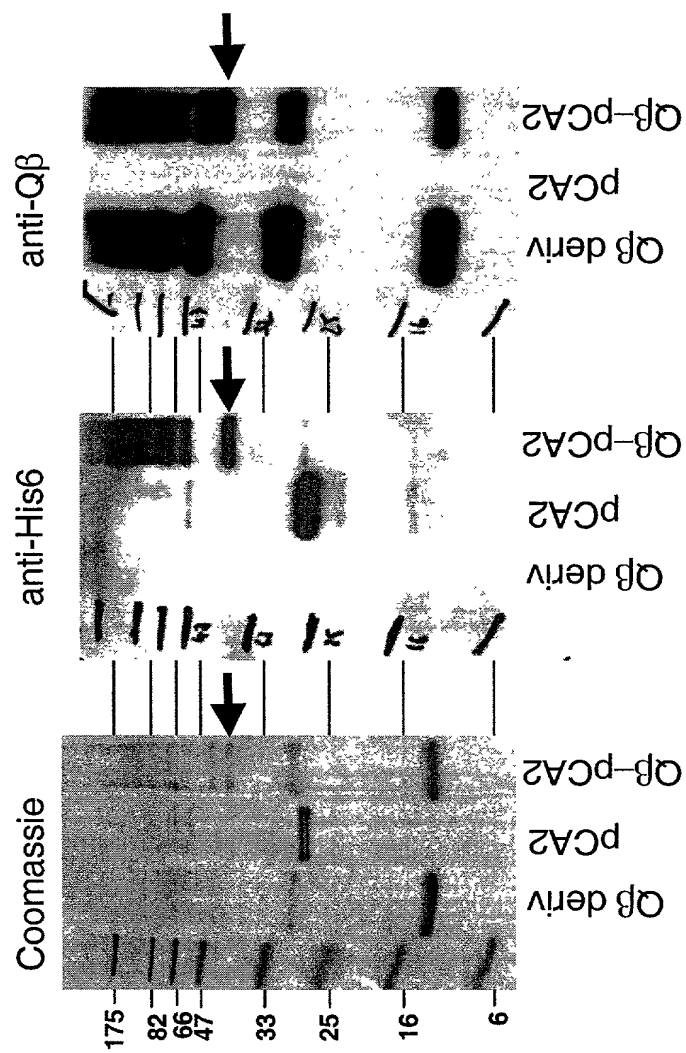
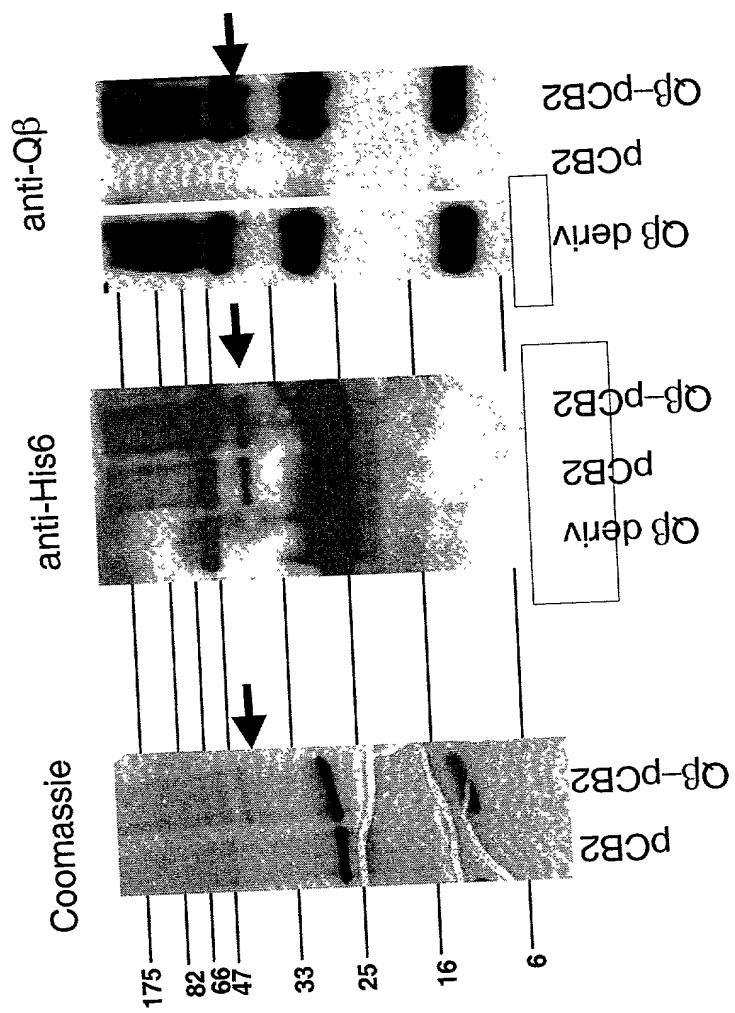


FIG. 15C



**A**

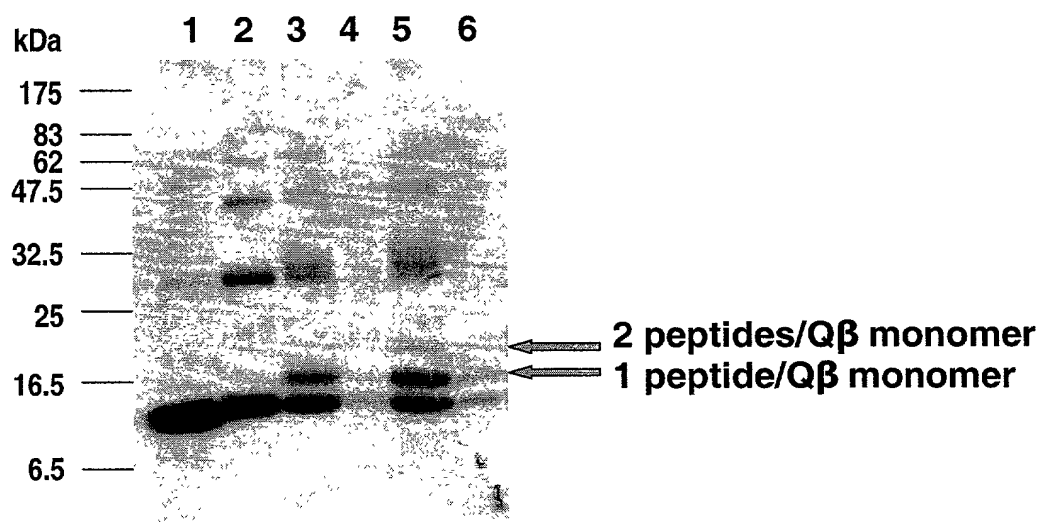


FIG. 16 A

**B**

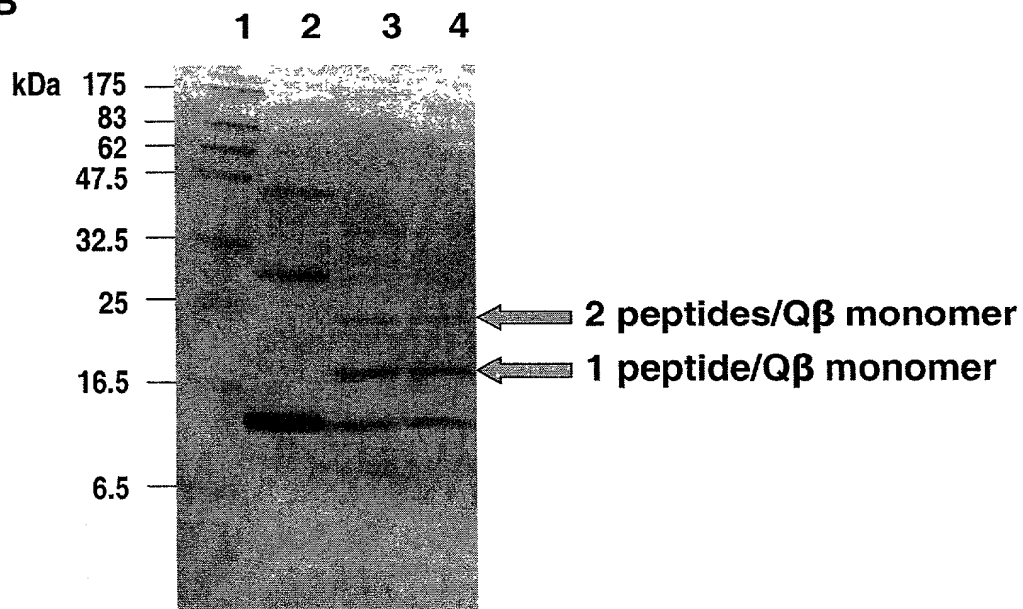
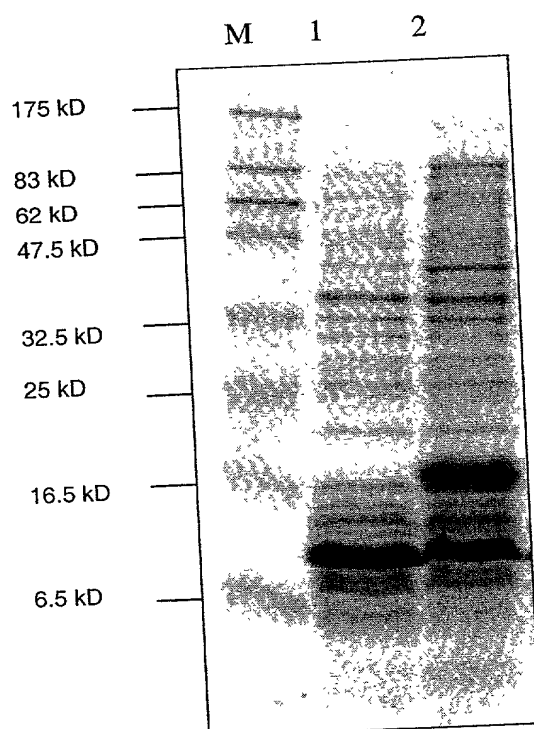
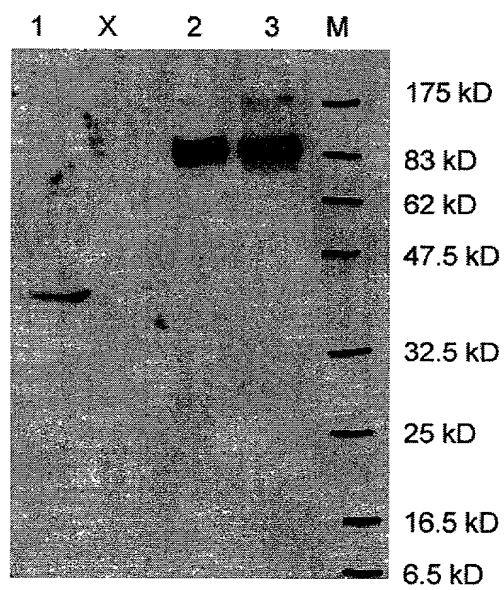


FIG. 16 B



**FIG. 17 A**



**FIG. 17 B**

Coupling of the murine and human VEGFR-2 peptide to Pili

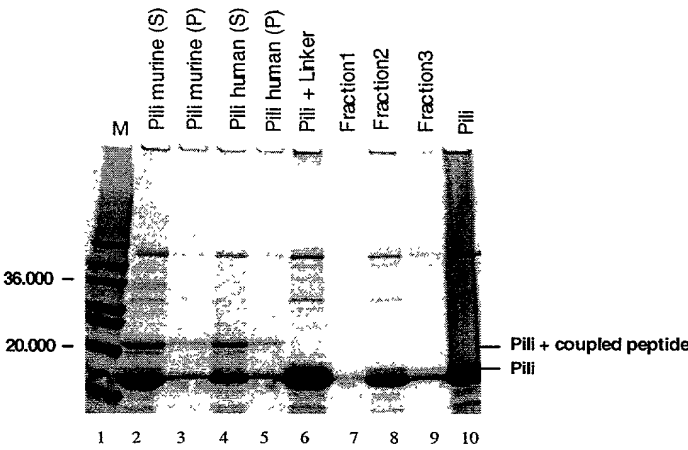


FIG. 18 A



# Coupling of the murine VEGFR-2 peptide to Q $\beta$

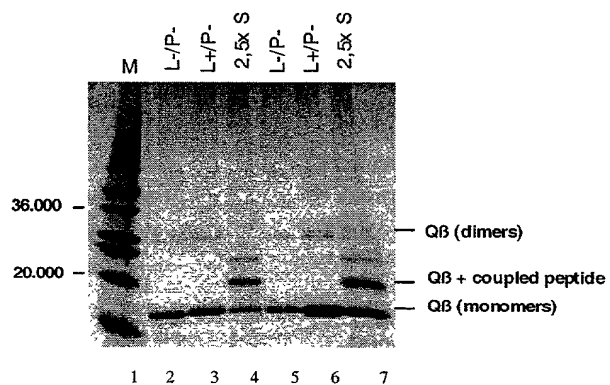


FIG. 18 B

# Coupling of the murine VEGFR-2 peptide to cys-free HbcAg

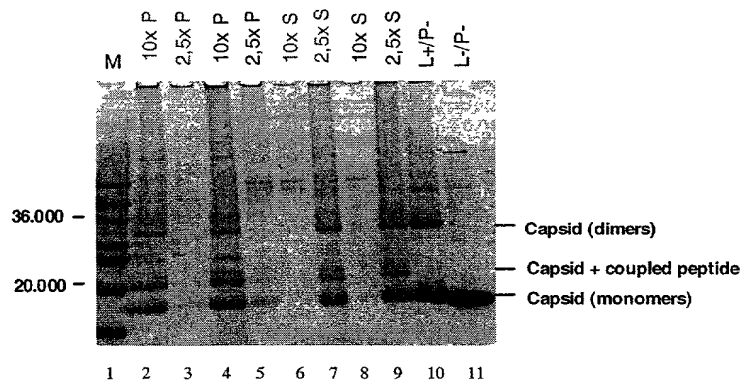
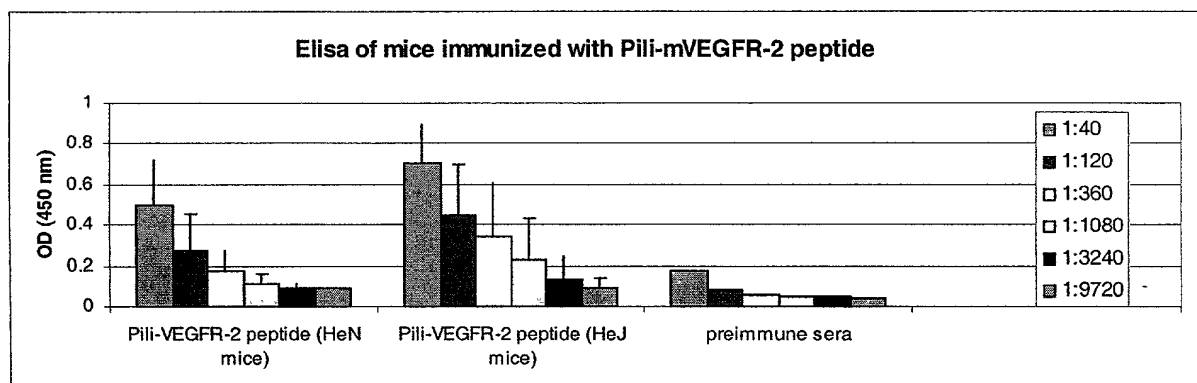


FIG. 18 C



**FIG. 18 D**

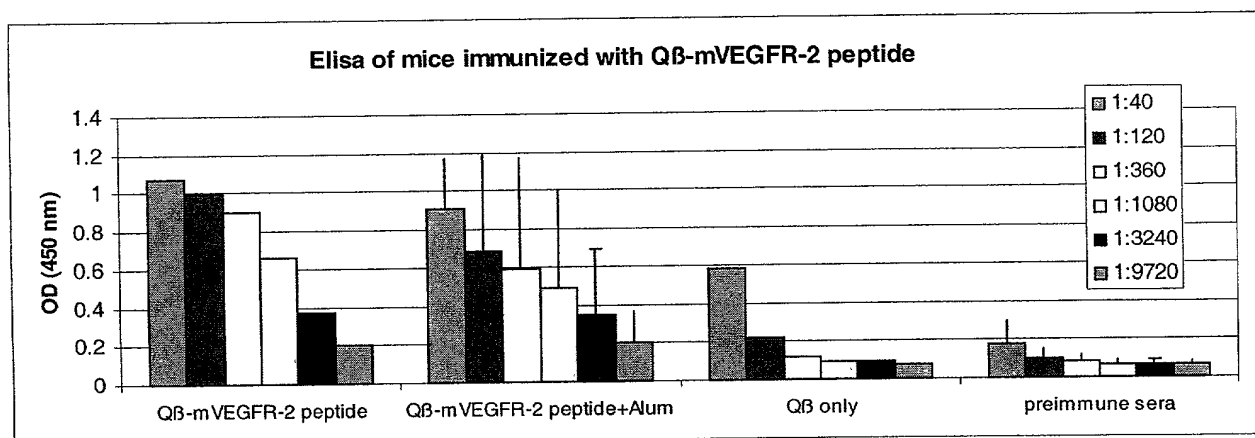


FIG. 18 E

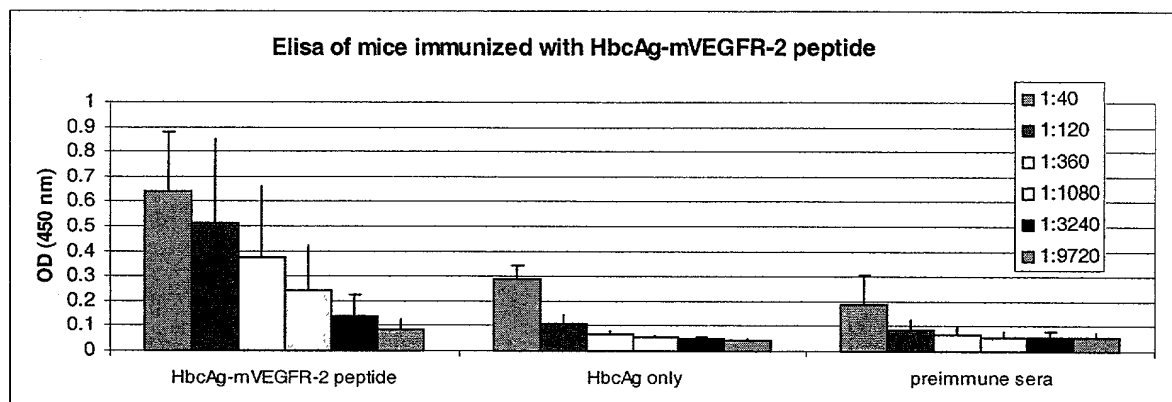
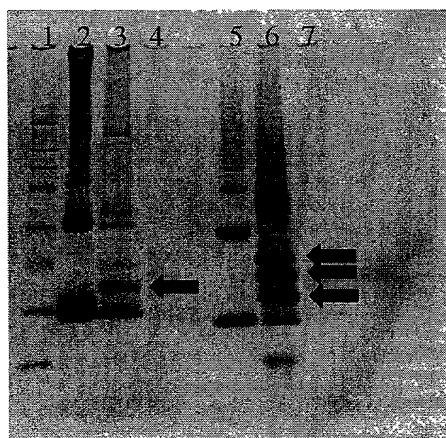
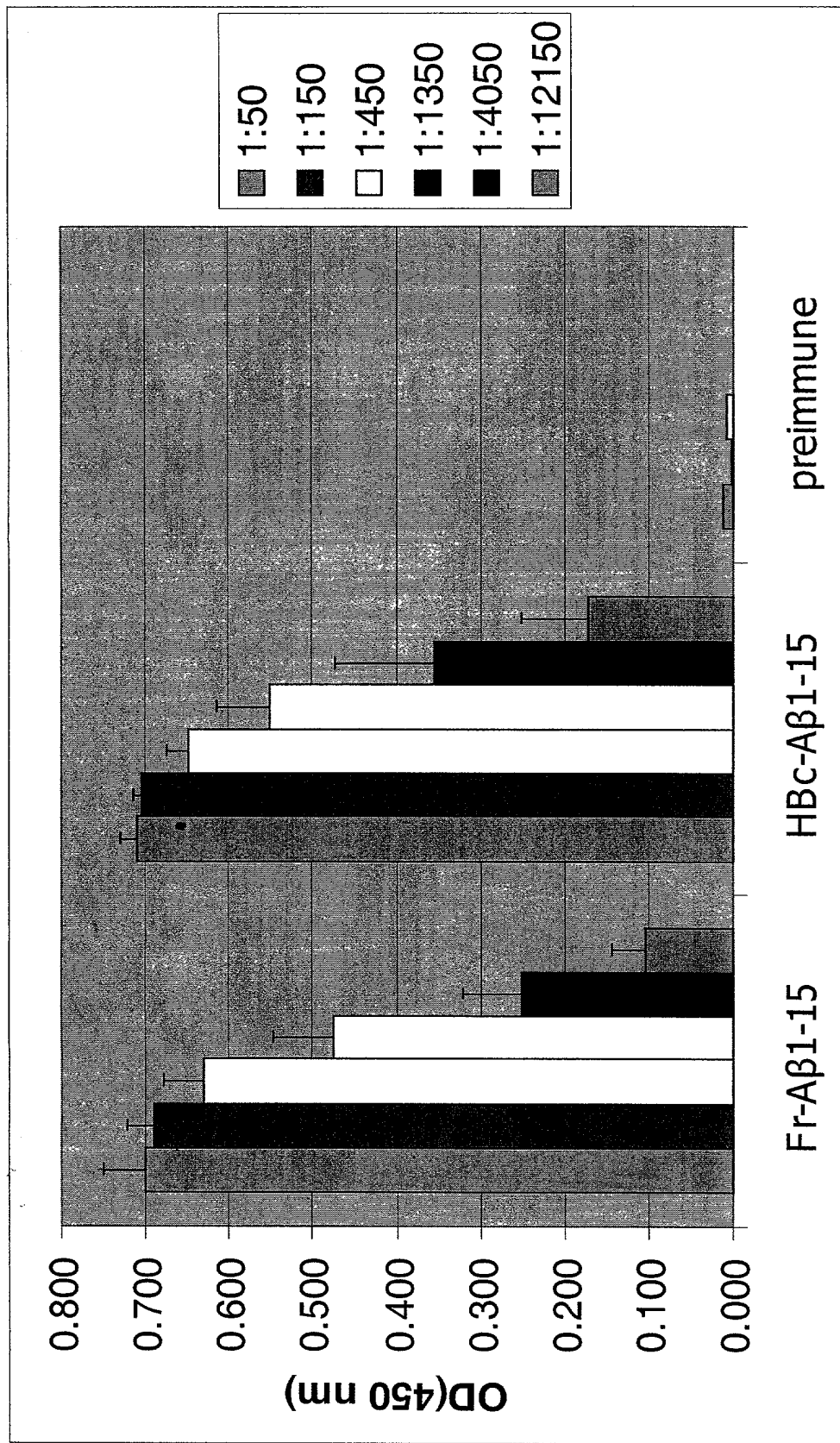


FIG. 18 F

20870" 3680500T



**FIG. 19 A**



**FIG. 19 B**

# Serum antibody titers in vaccinated APP23 mice

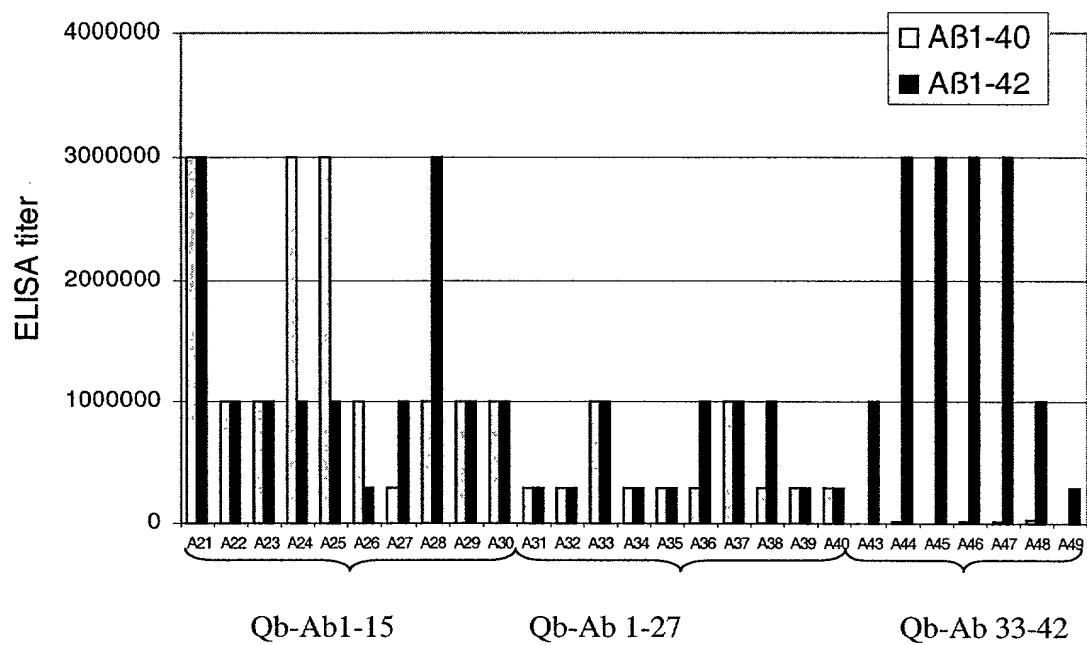
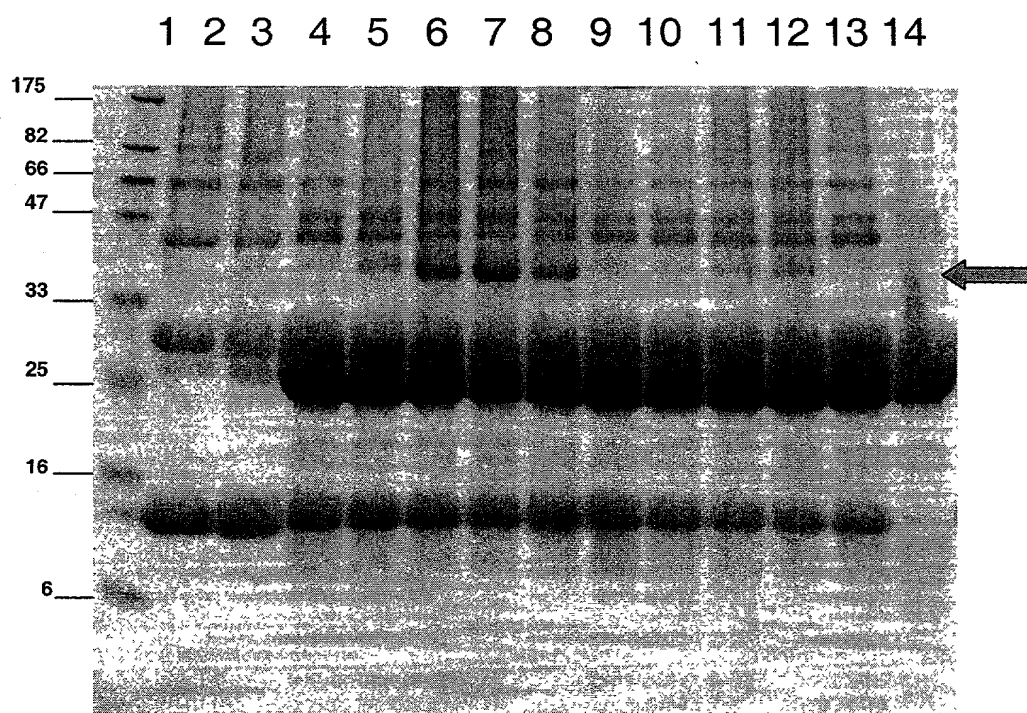


FIG. 20



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**FIG. 21**

Fig Qb mut S-MBS Flag

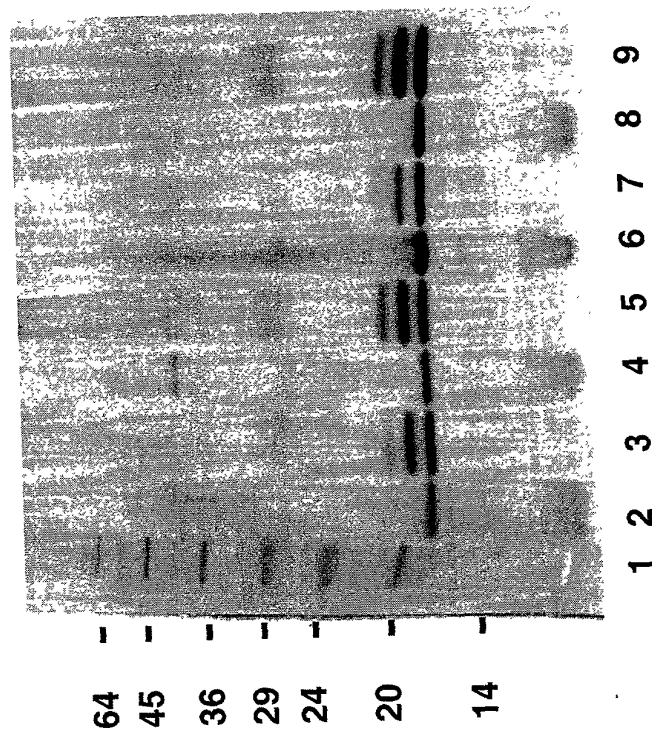


FIG. 22 A

Fig Qb mut SGMBS Flag

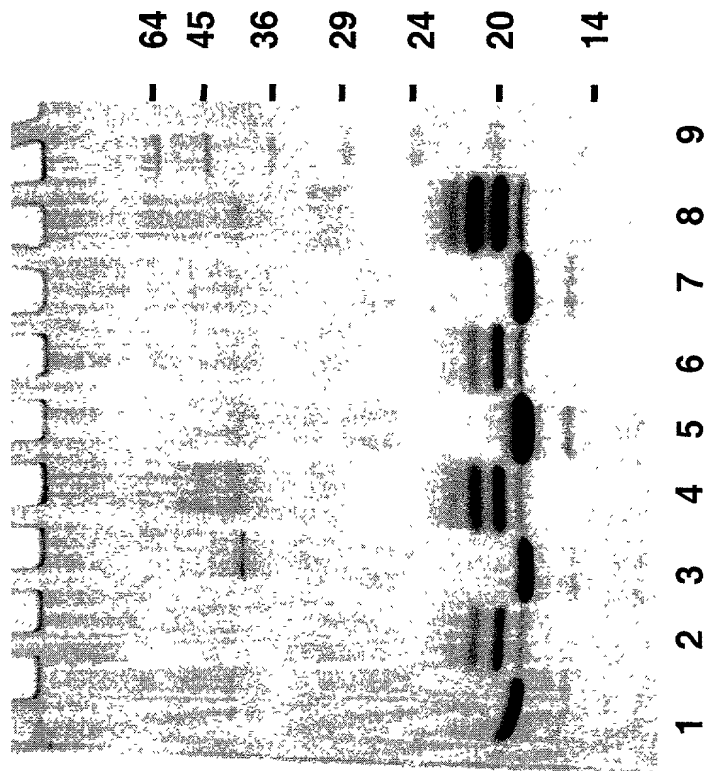


FIG. 22 B

Fig Qb mut SMPH Flag

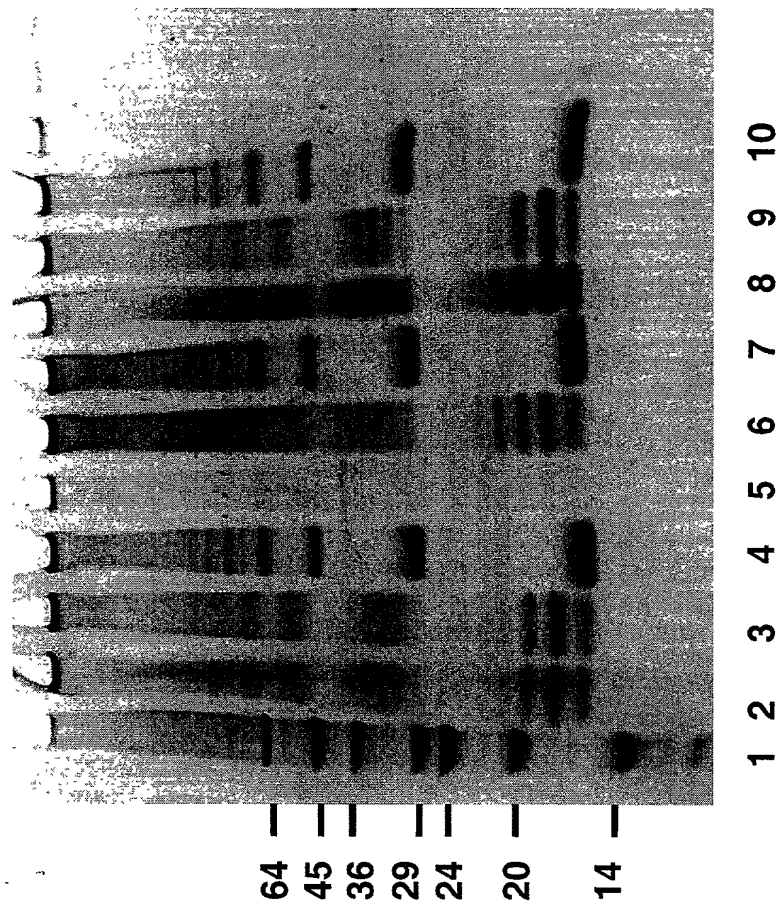


FIG. 22 C

Fig Q $\beta$  mutants-PLA<sub>2</sub>-Cys

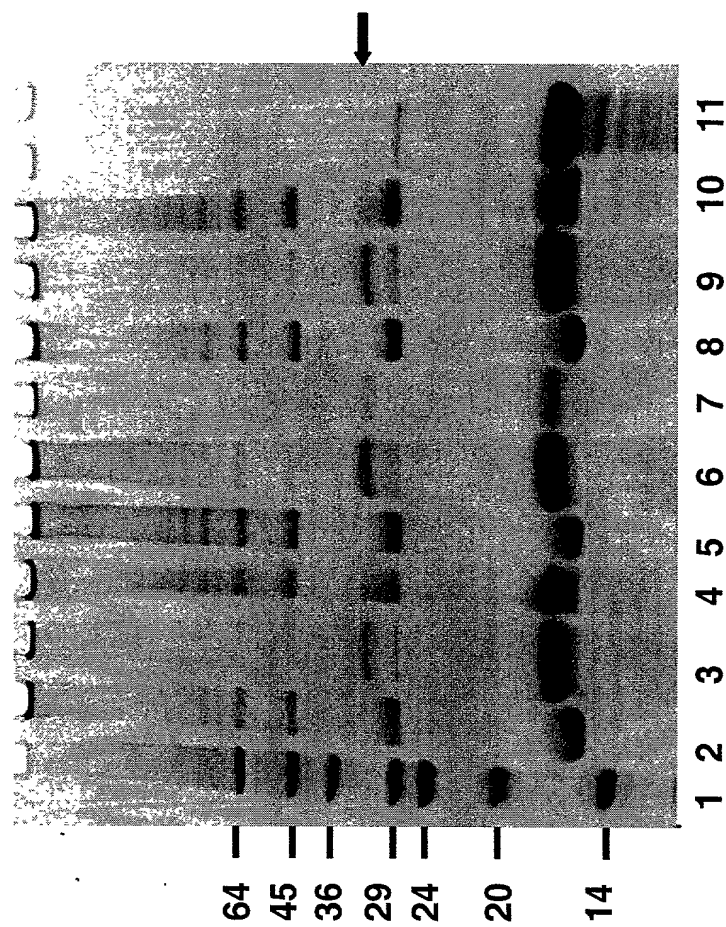
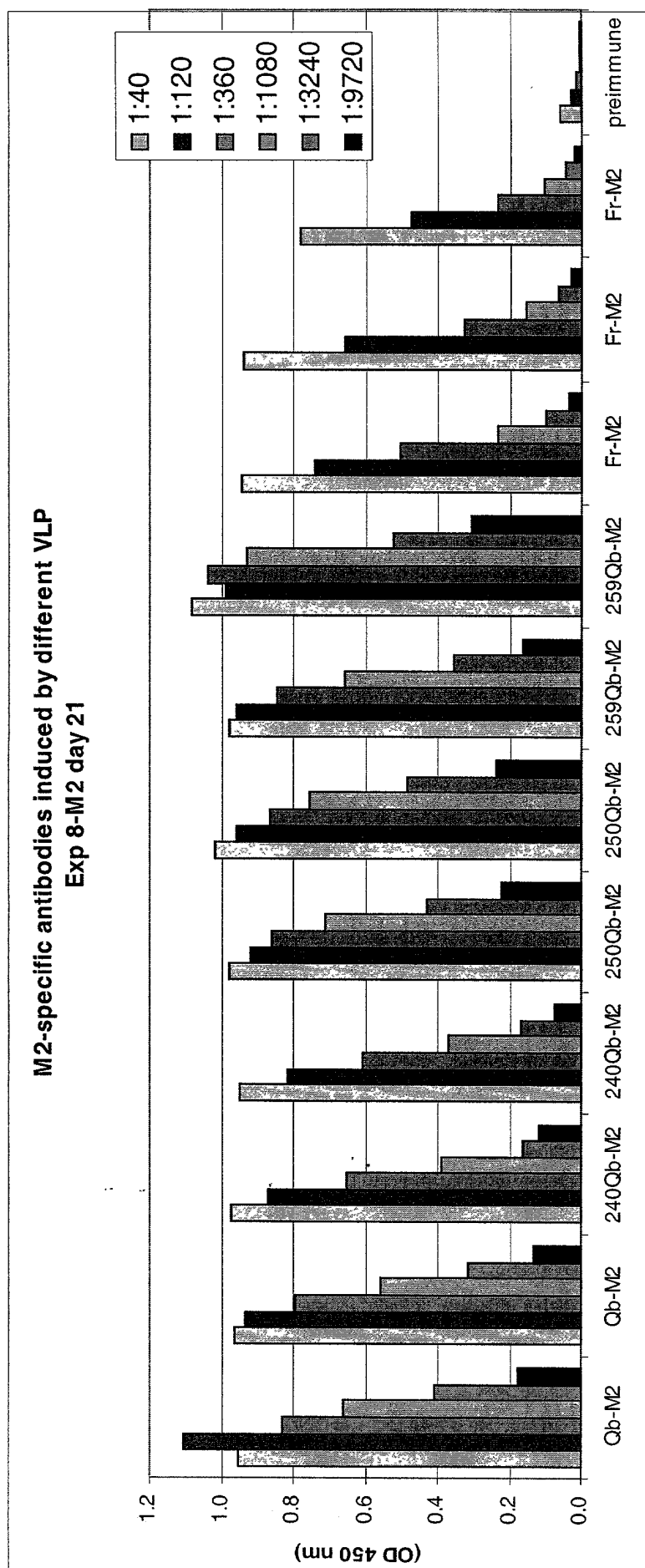


FIG. 22 D



**FIG. 23**

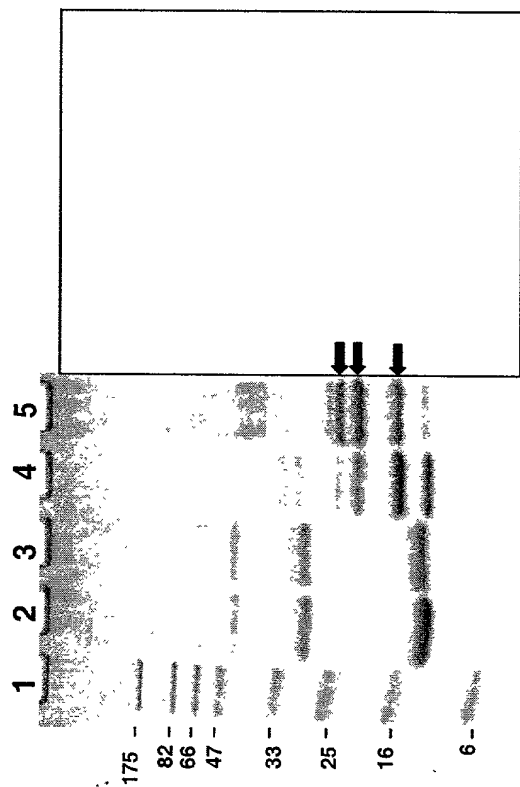
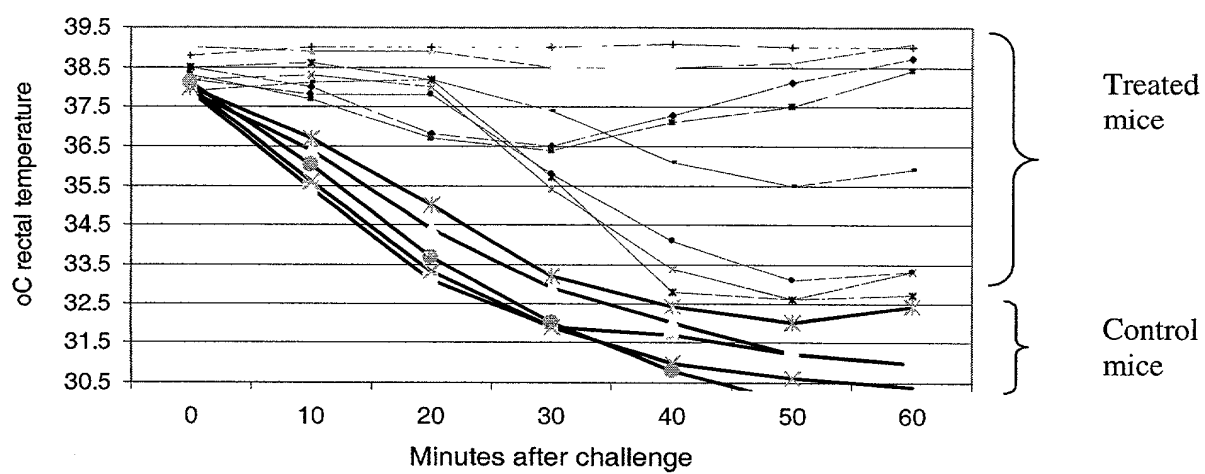


FIG. 24

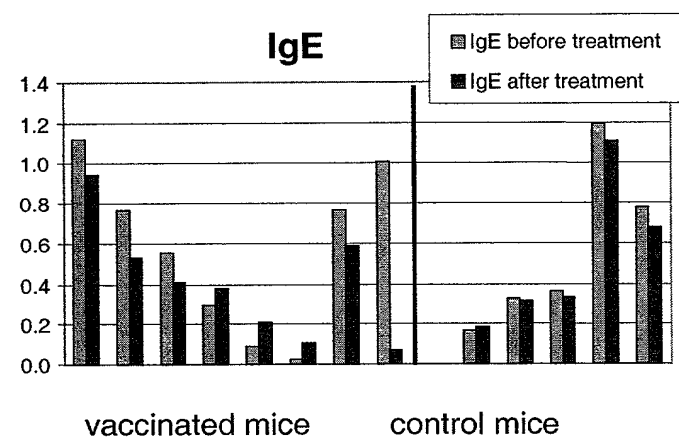
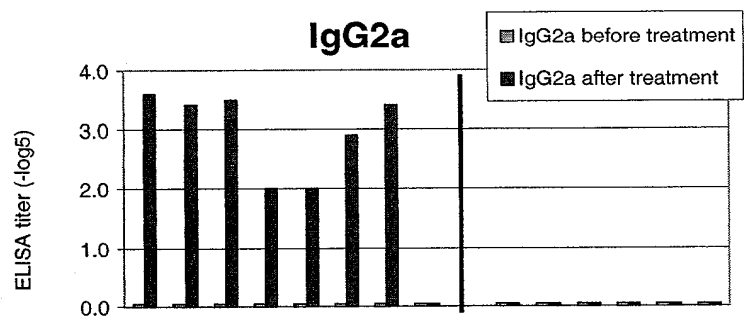
### Temperature after challenge with PLA2



**FIG. 25 A**



ELISA titer (-log5)



**FIG. 25 B**

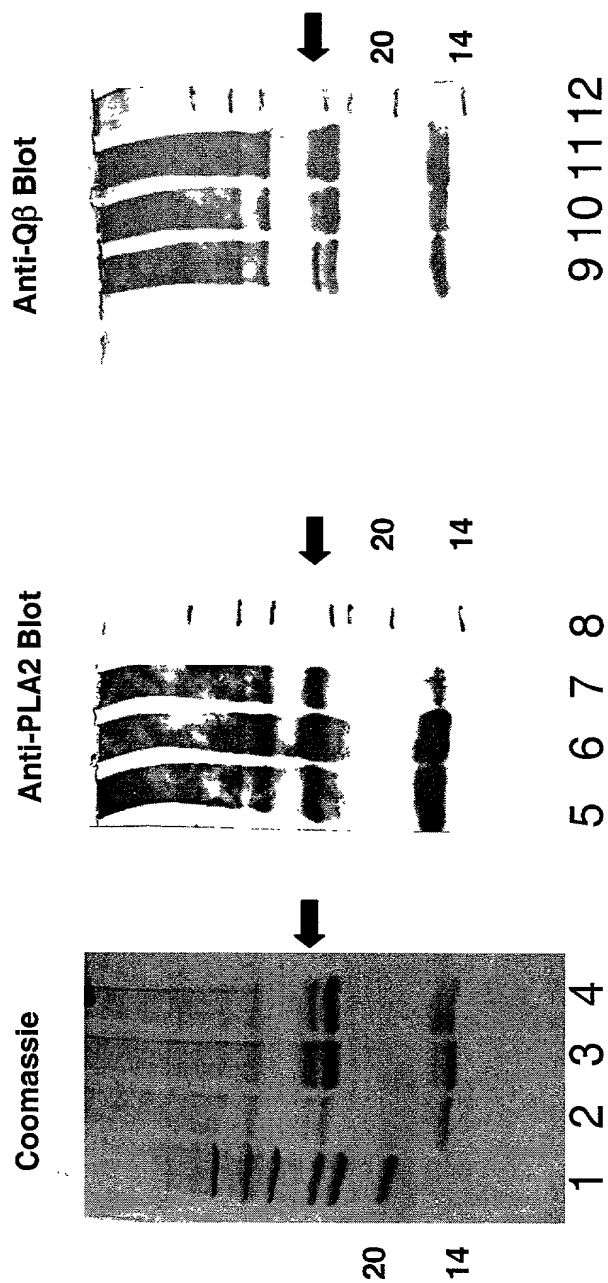
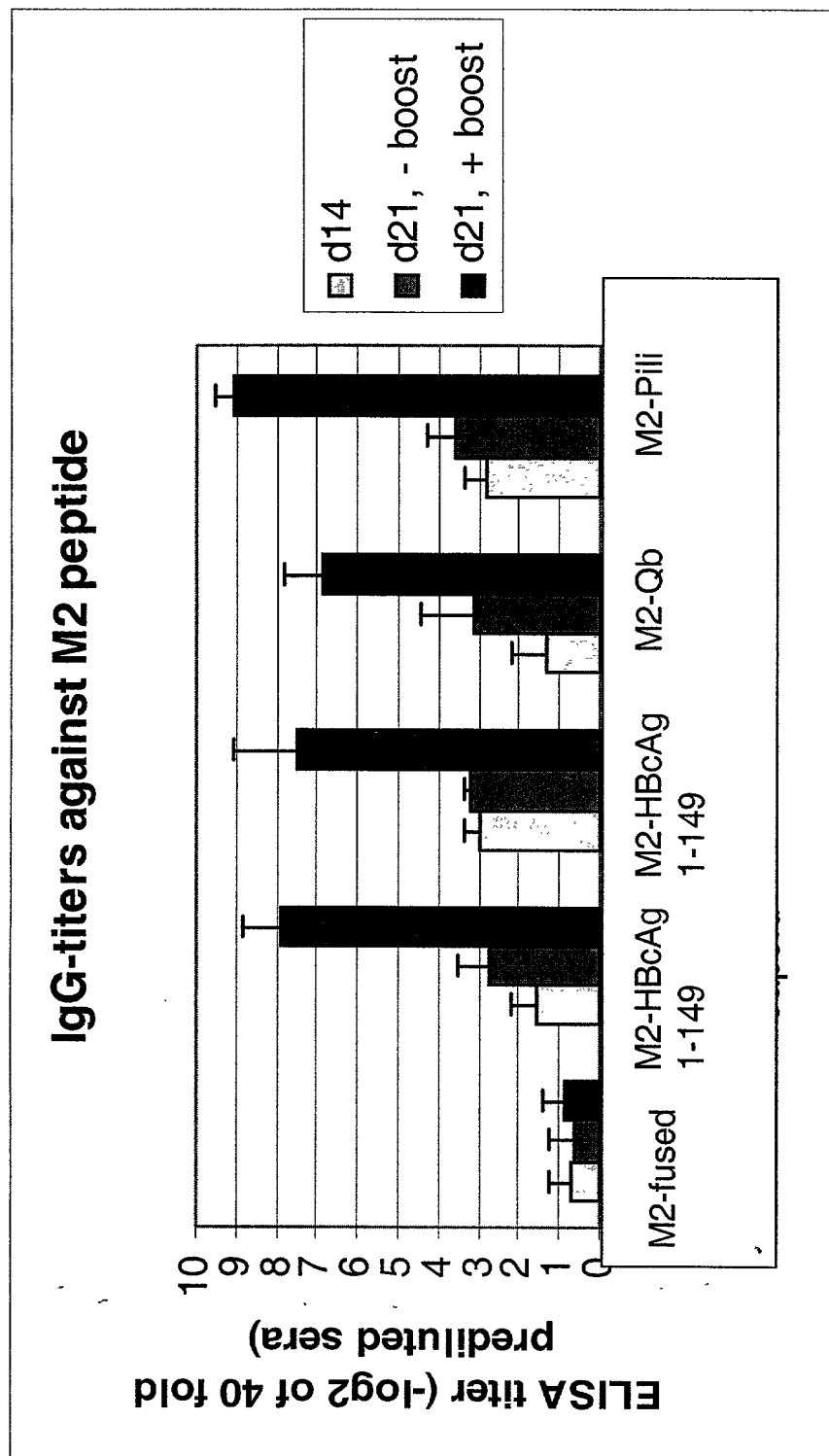


FIG. 26



**FIG. 27 A**

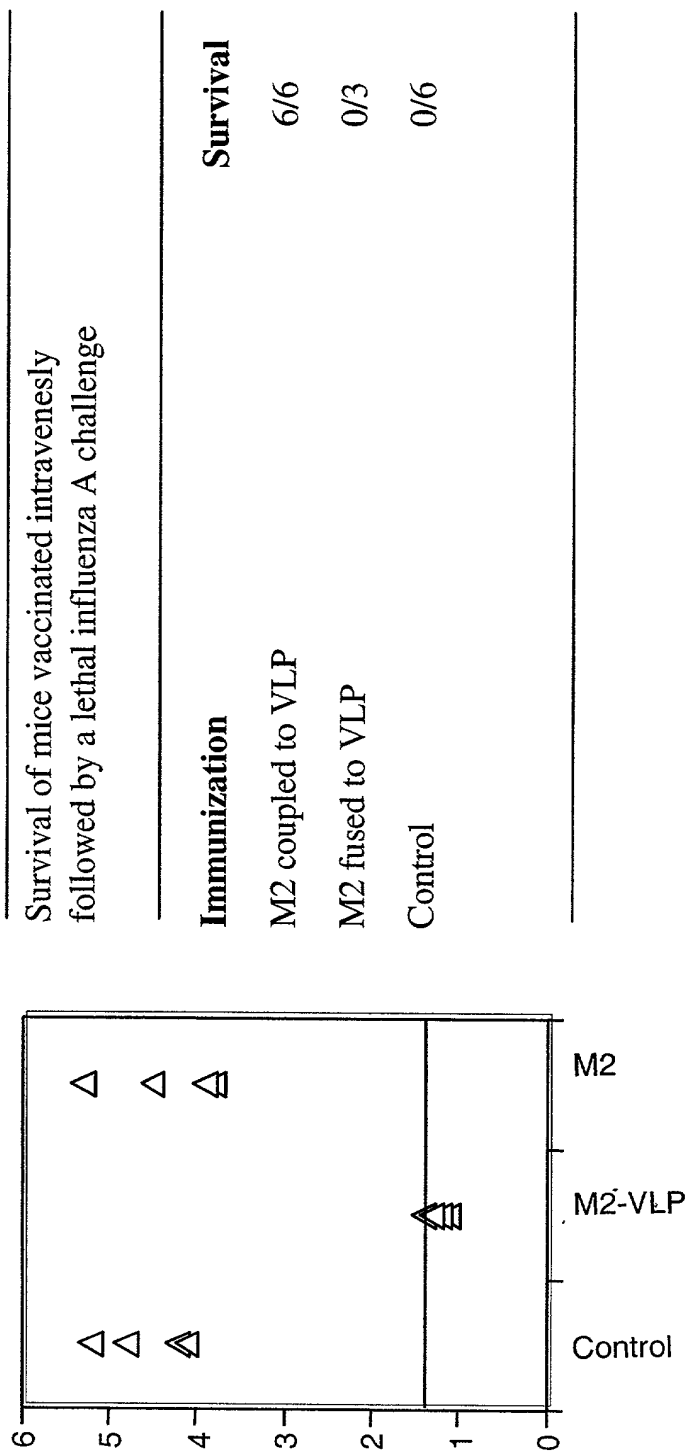
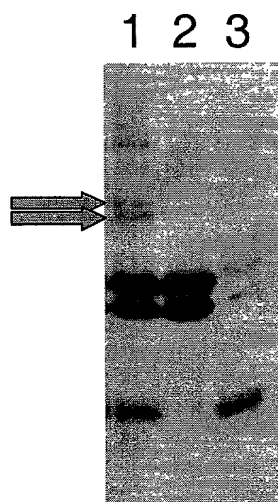
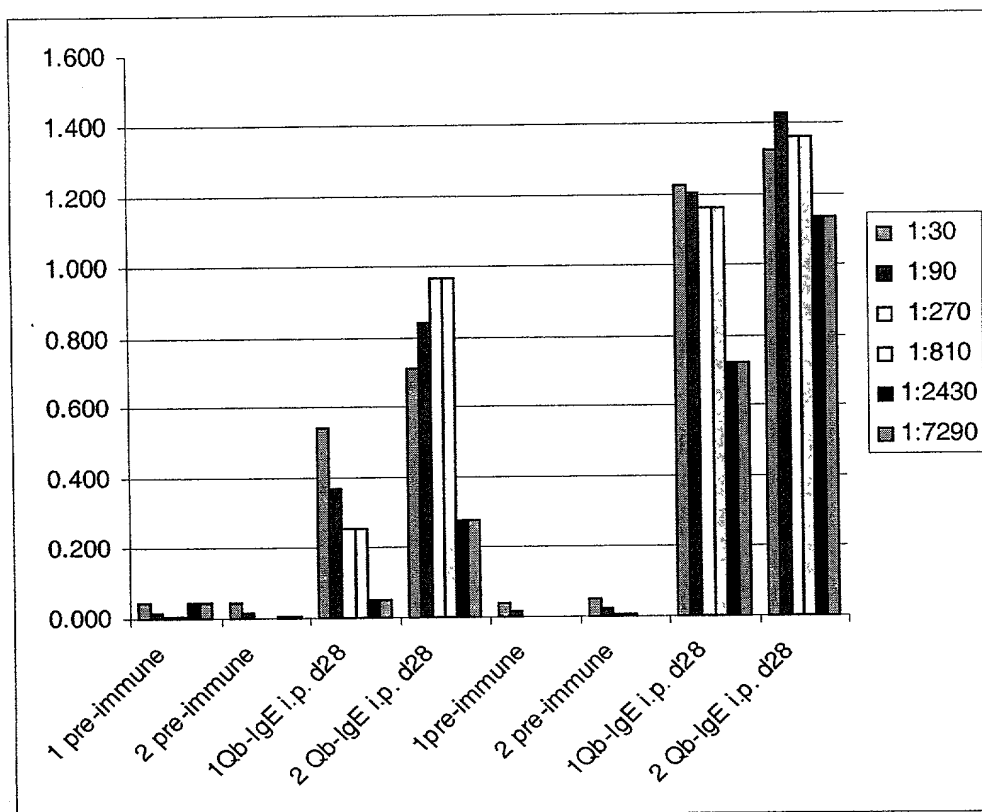


FIG. 27 B



**FIG. 28 A**



**FIG. 28 B**